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PALÉONTOLOGIE FRANÇAISE

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CORBEIL. — Typ. et stér. CRÉTÉ.

PALÉONTOLOGIE FRANÇAISE

OU

DESCRIPTION

DES FOSSILES DE LA FRANCE

continuée

PAR UNE RÉUNION DE PALÉONTOLOGISTES

SOUS

LA DIRECTION D'UN COMITÉ SPÉCIAL

1re Série. — **ANIMAUX INVERTÉBRÉS**

TERRAIN JURASSIQUE

TOME X — Deuxième Partie

ÉCHINIDES RÉGULIERS

Familles des Diadematidées et des Échinidées

PAR

G. COTTEAU

ANCIEN PRÉSIDENT DE LA SOCIÉTÉ GÉOLOGIQUE DE FRANCE

ATLAS

PARIS

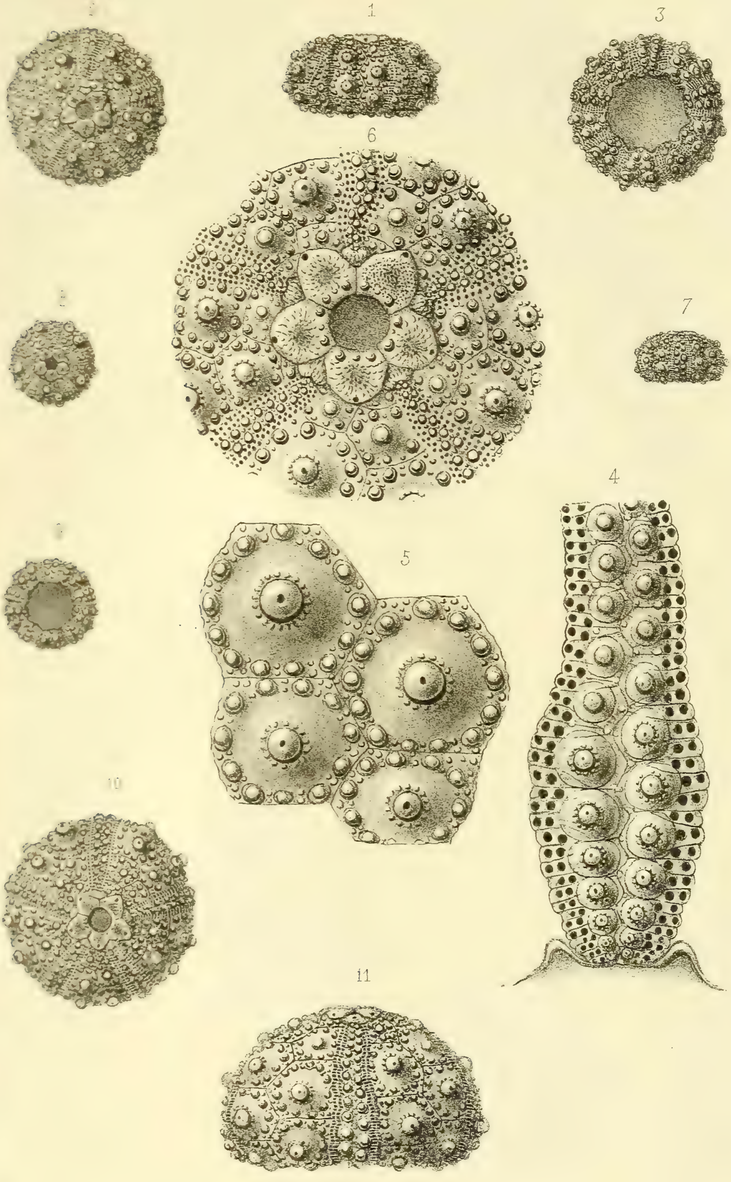
G. MASSON, ÉDITEUR

LIBRAIRE DE L'ACADÉMIE DE MÉDECINE

120, Boulevard Saint-Germain, en face de l'École de Médecine

—

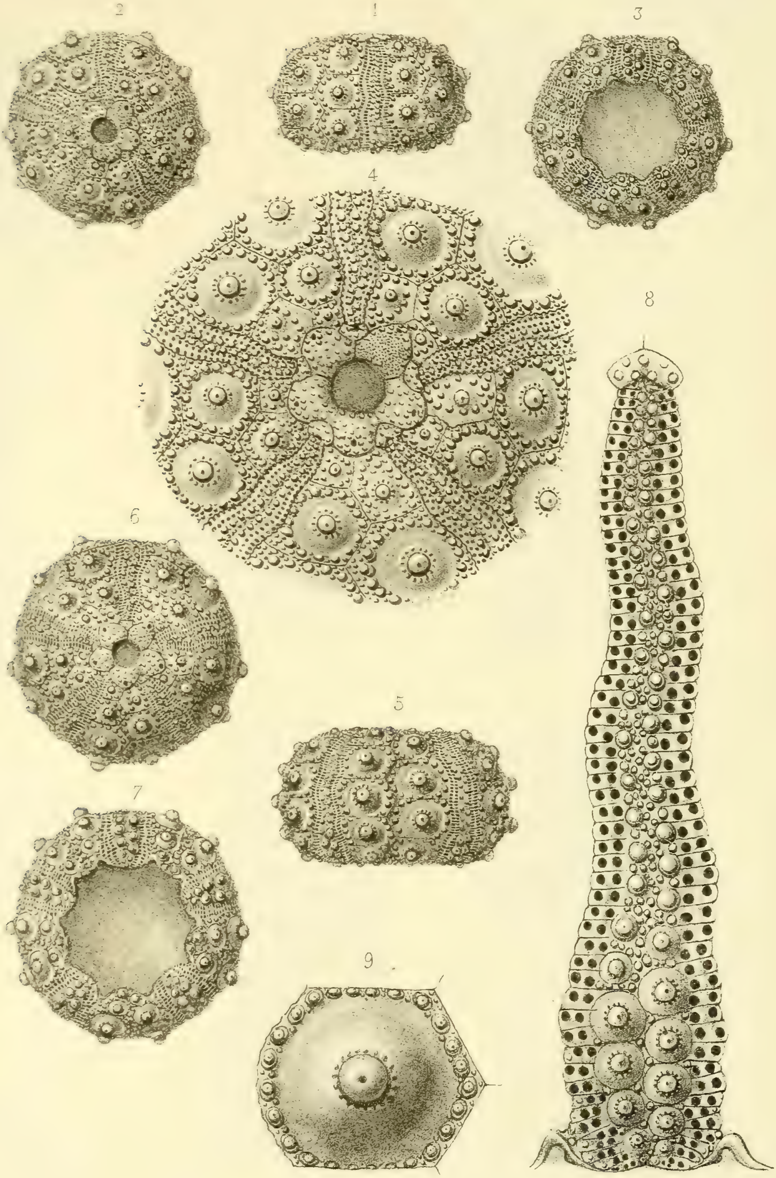
1880-1885



G. Masson, Editeur.

Imp. Becquet, Paris.

Pseudocidaris Peroni, *Cotteau. Bathonien.*



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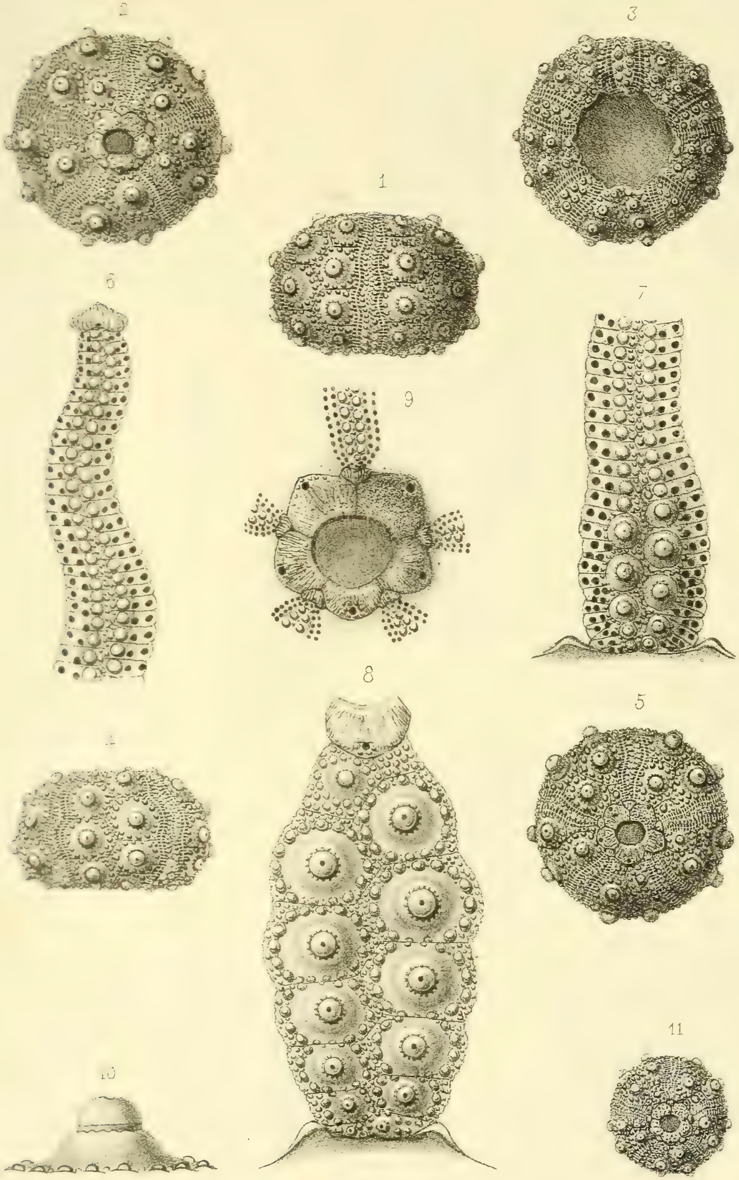
Pseudocidaris Quenstedti (Merian), Cotteau. Corallien.



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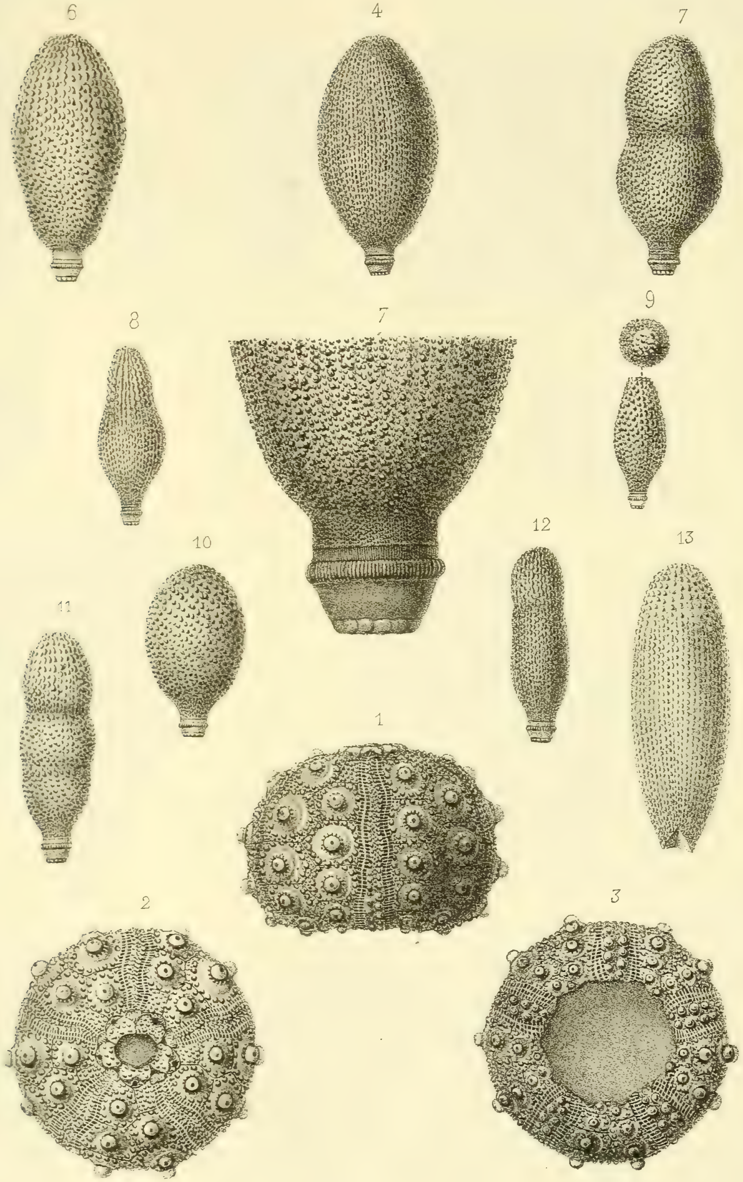
Pseudocidaris mammosa (Agassiz), de Loriol. Corallien.



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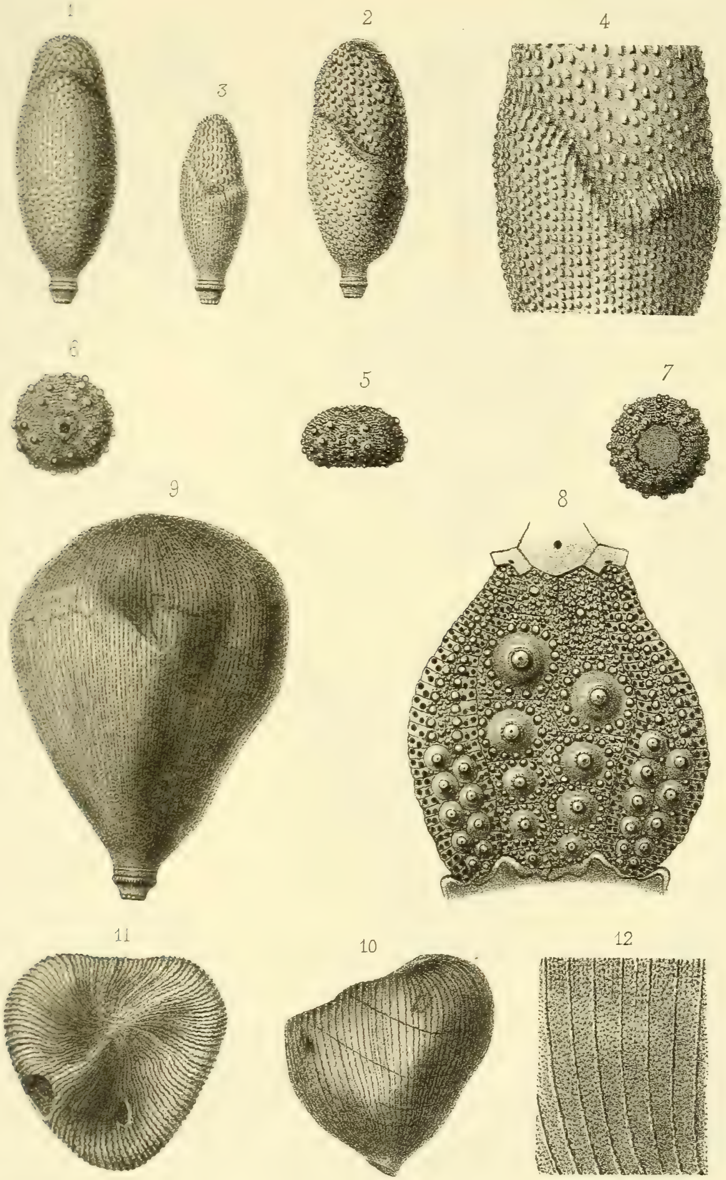
Pseudocidaris mammosa (Agassiz), de Loriol. Corallien.

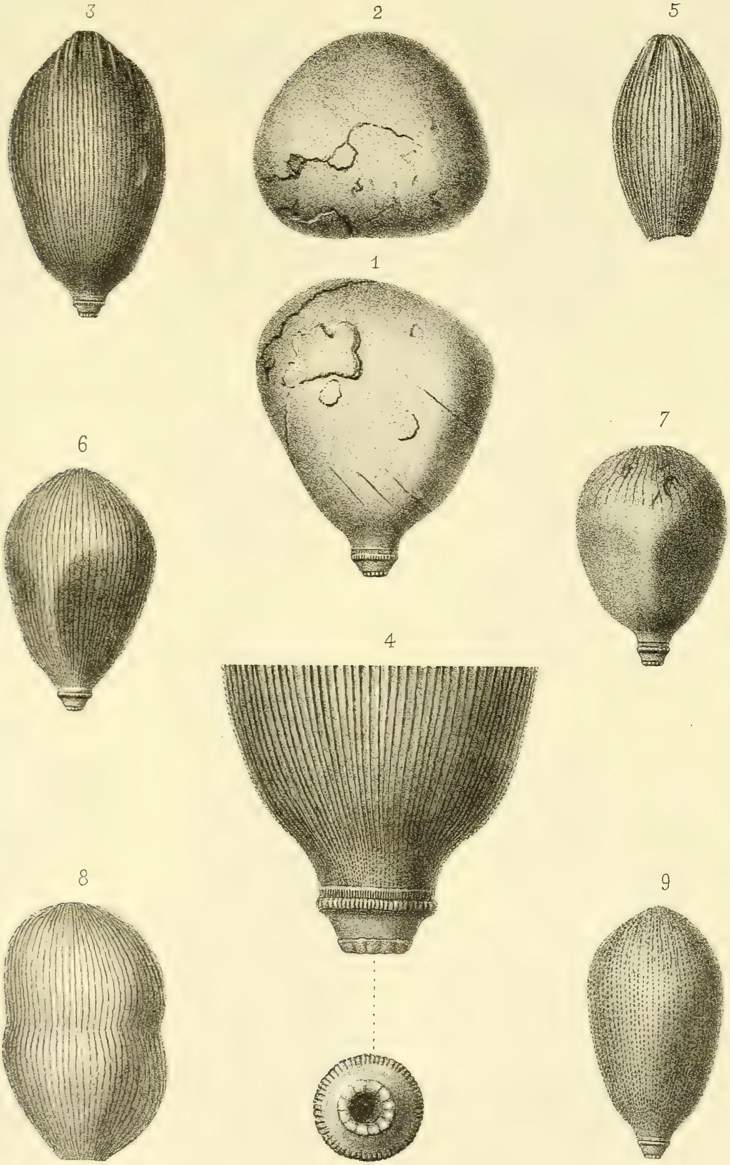


Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

1_4. Pseudocidaris mammosa (Agassiz), de Loriol. Corallien.

5_8. P. ———— pulchella (Cotteau), Etallon. Corallien.

9_12. P. ———— rupellensis, Cotteau. Corallien.



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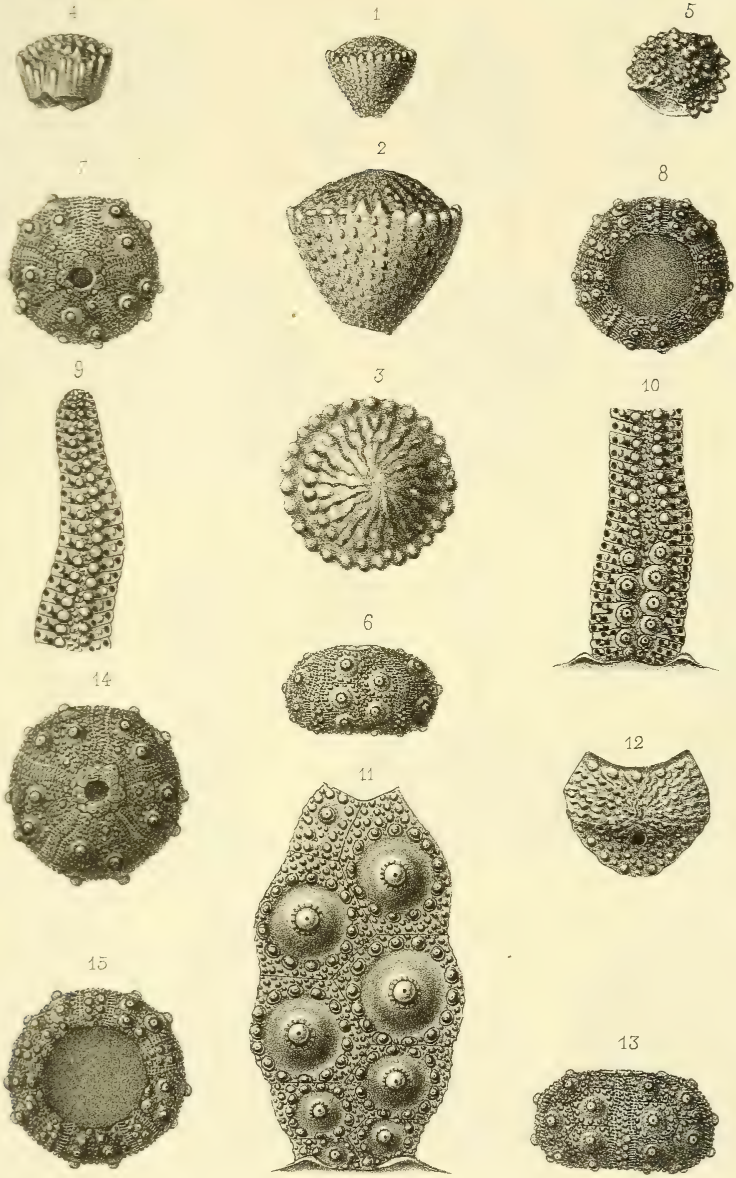
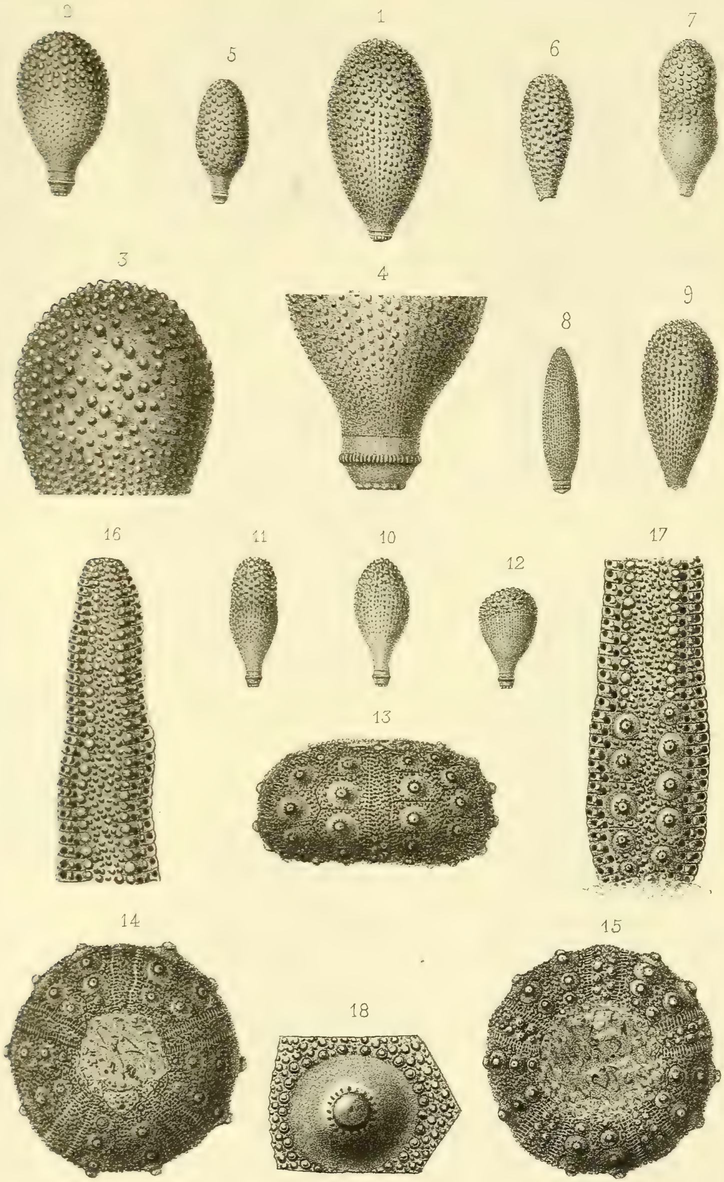
Pseudocidaris rupellensis, Cotteau. Corallien.



Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

1 _ 5. *Pseudocidaris sub-crenularis*, Gauthier Corallien.

6 _ 15. *P.* ———— *Thurmanni* (Agassiz) Etallon. Kimmeridgien.



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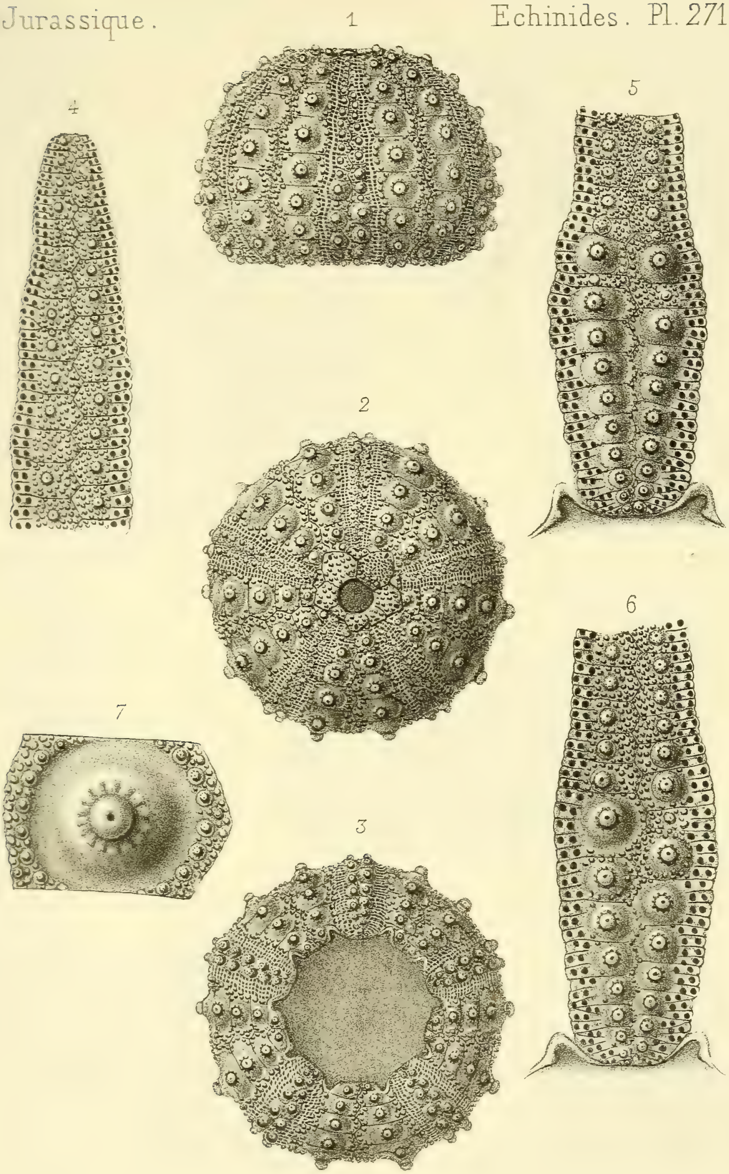
1–9. Pseudocidaris Thurmanni (Agassiz) Etallon. Kimmeridgien.

10–12. P.__________ grayensis, Etallon. Portlandien.

13–18. Hemicidaris ruthenensis, Gauthier. Bajocien.



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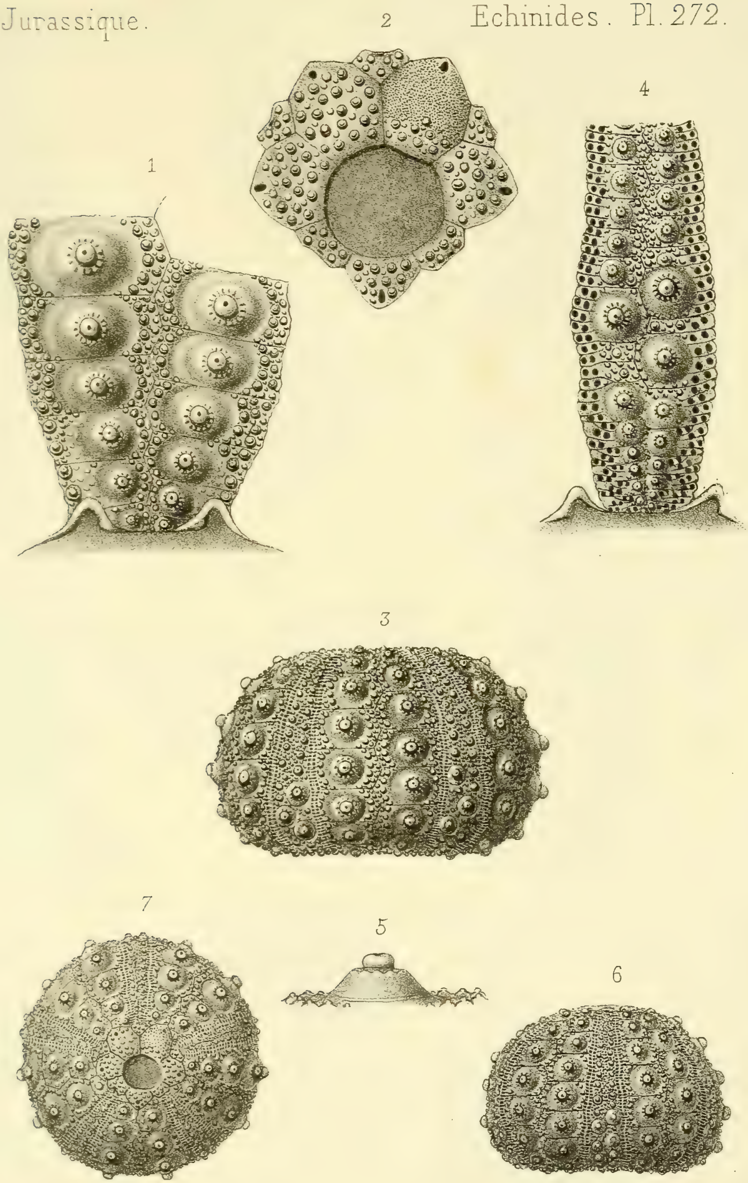
Hemicidaris luciensis, d'Orbigny. Bathonien.



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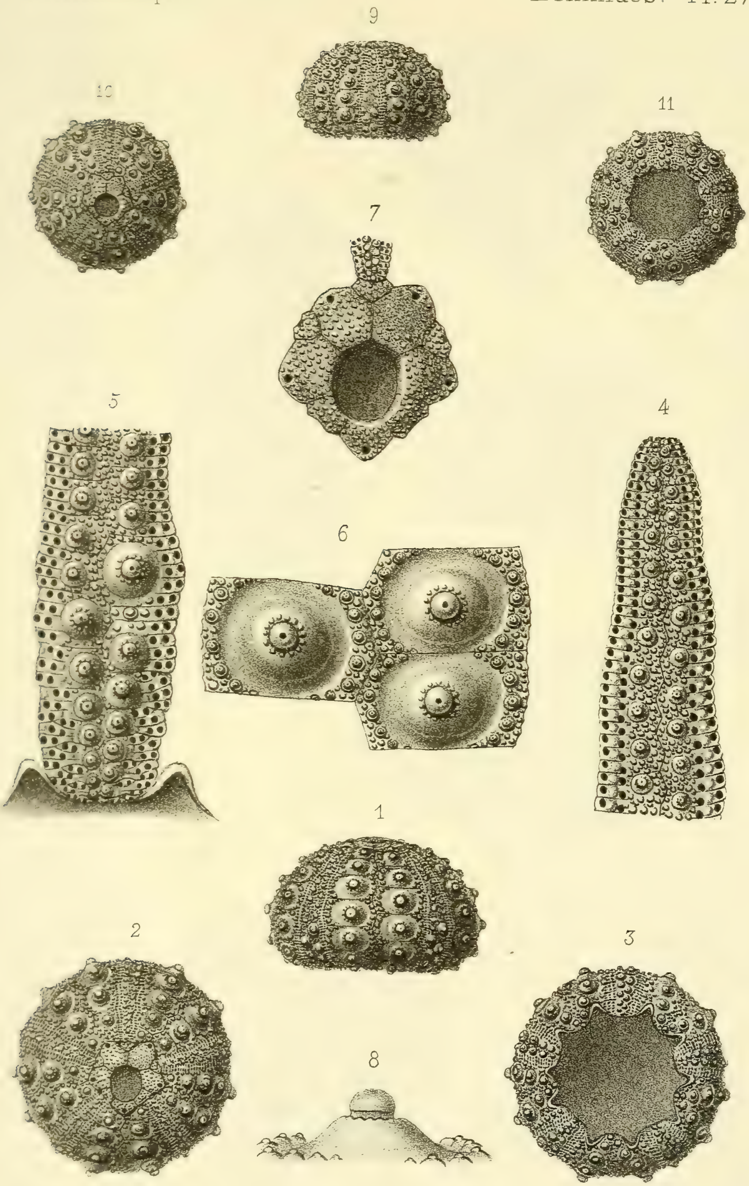
Hemicidaris luciensis, d'Orbigny. Bathonien.



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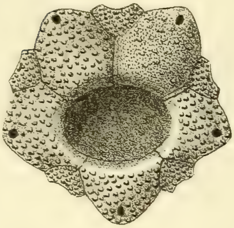
Hemicidaris conica, Cotteau. Bathonien.

7



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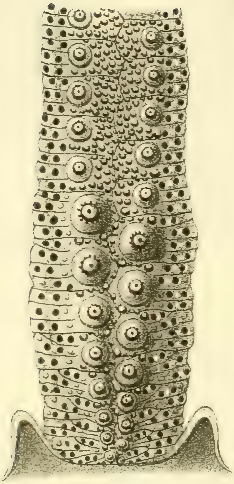

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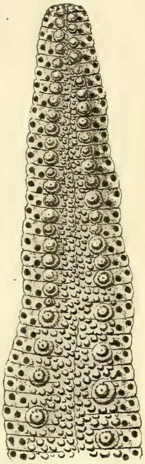

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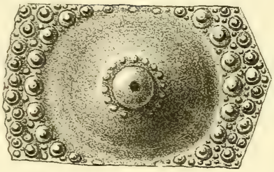

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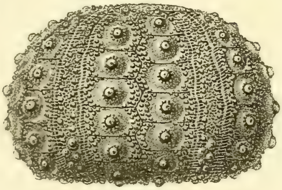

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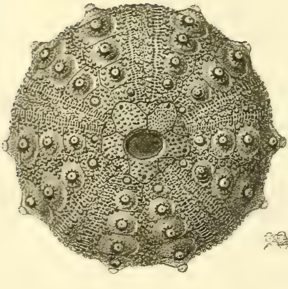

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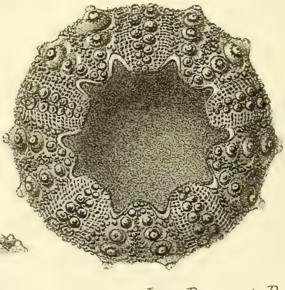
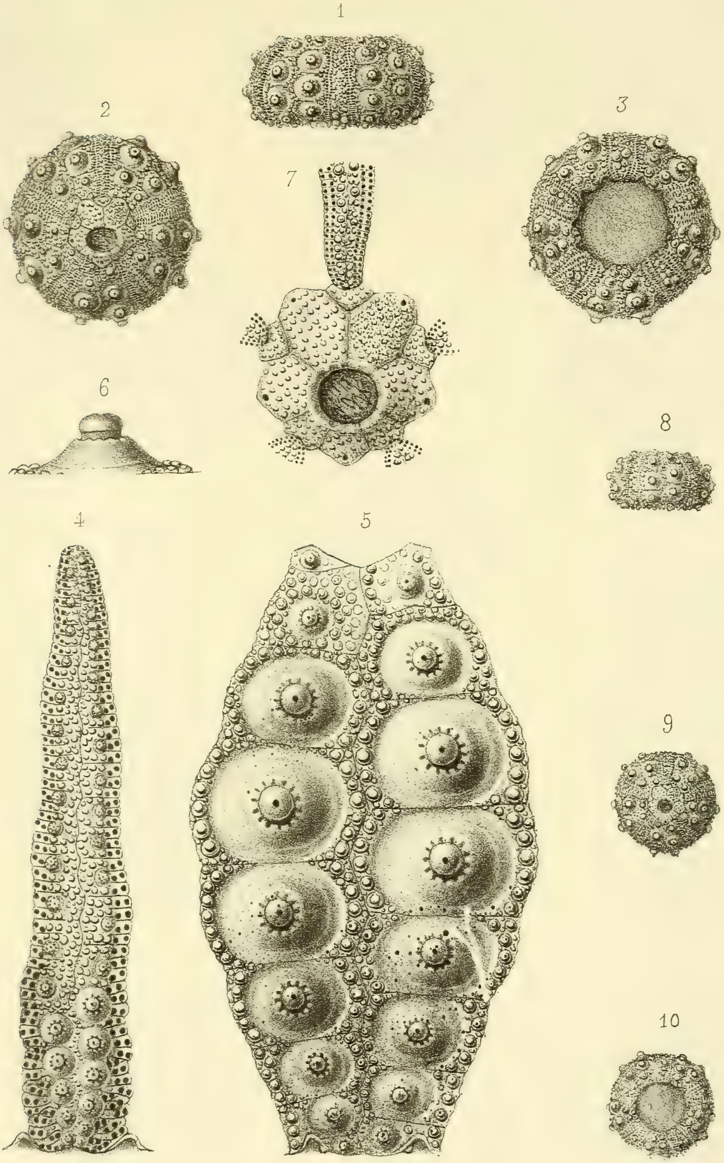


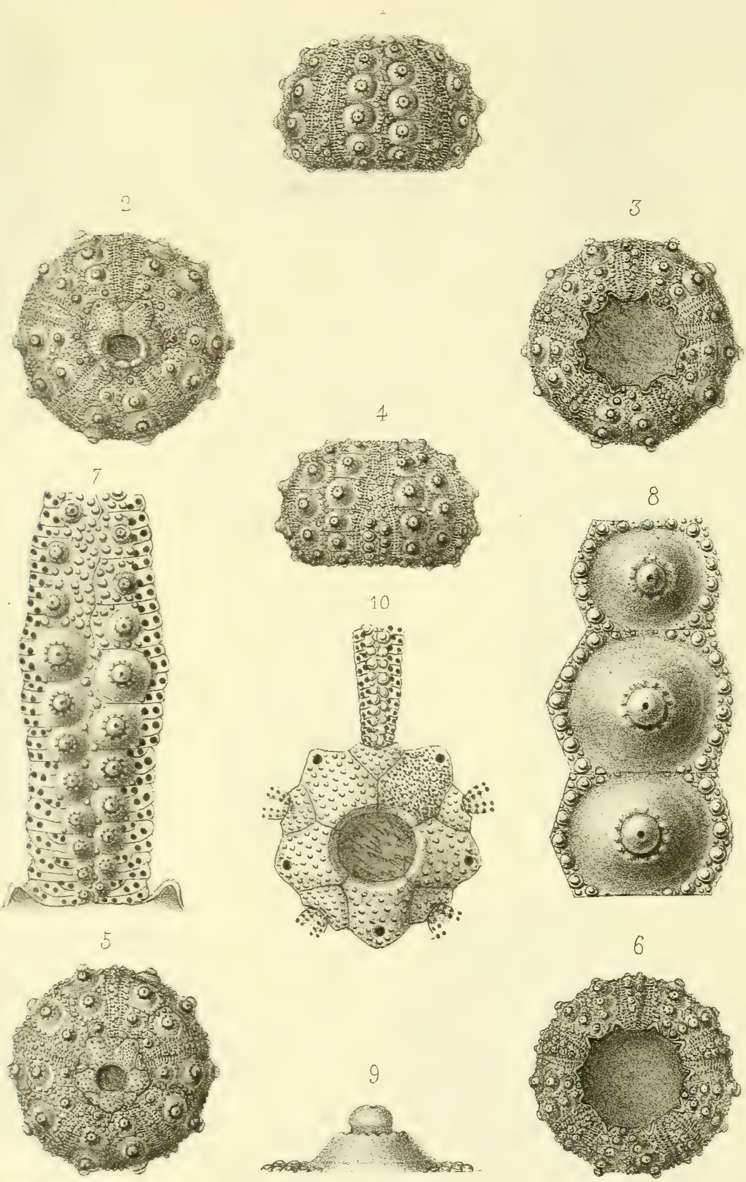
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Hemicidaris icaunensis, Cotteau. Bathonien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

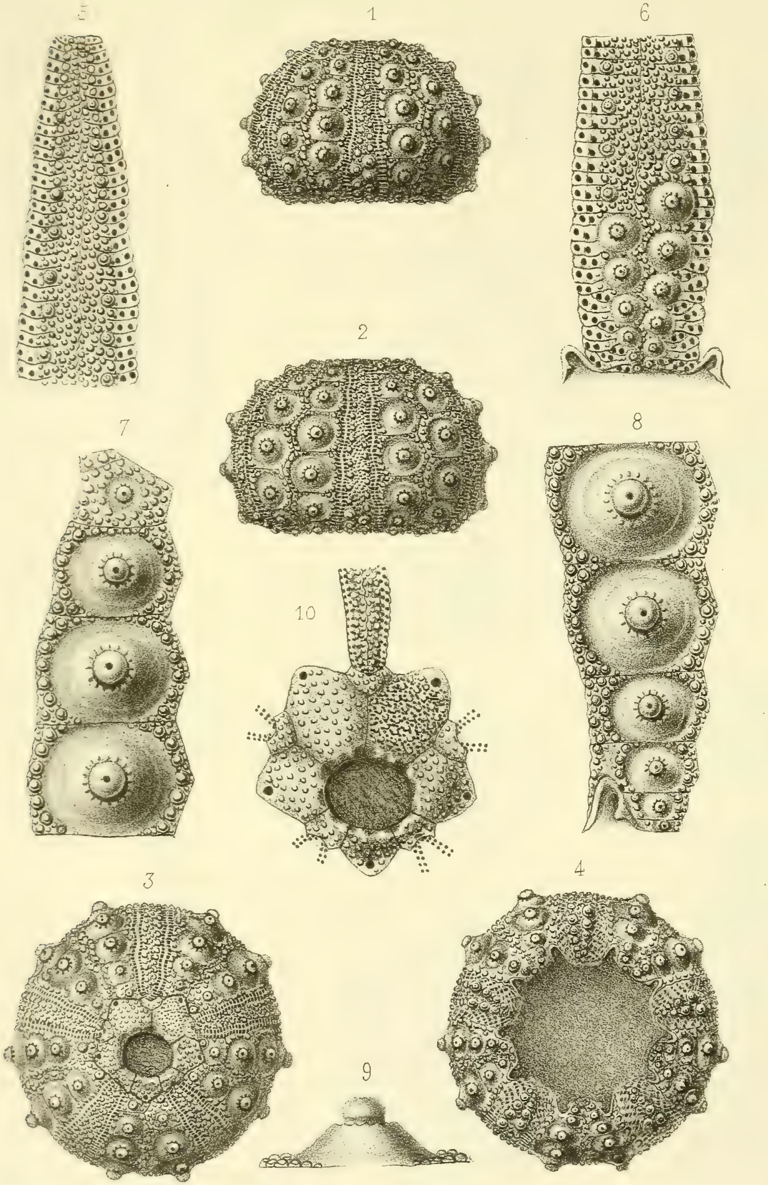
Hemicidaris langrunensis, Cotteau. Bathonien.



Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

1_3. *Hemicidaris langrunensis*, Cotteau. Bathonien.

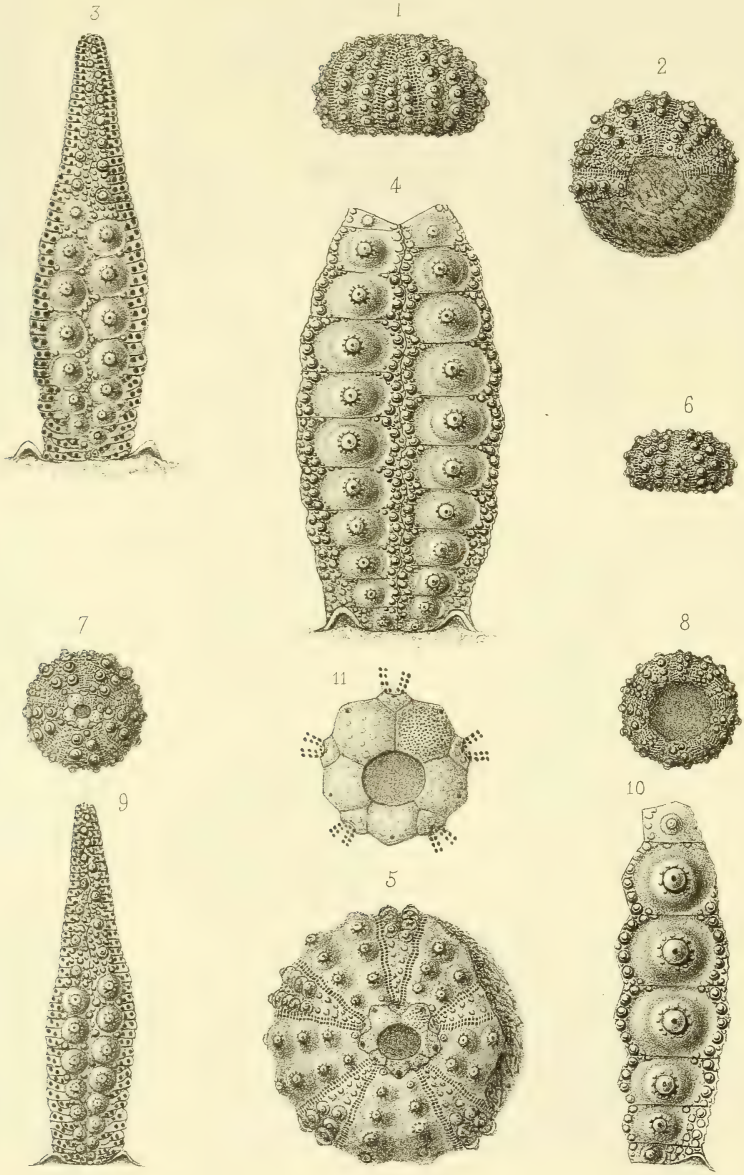
4_10. *H.* ——— *grimaultensis*, ——— ———



Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

1. *Hemicidaris grimaultensis*, Cotteau. Bathonien.

2–10. *H.* ——— *Delaunayi*, ——— ———



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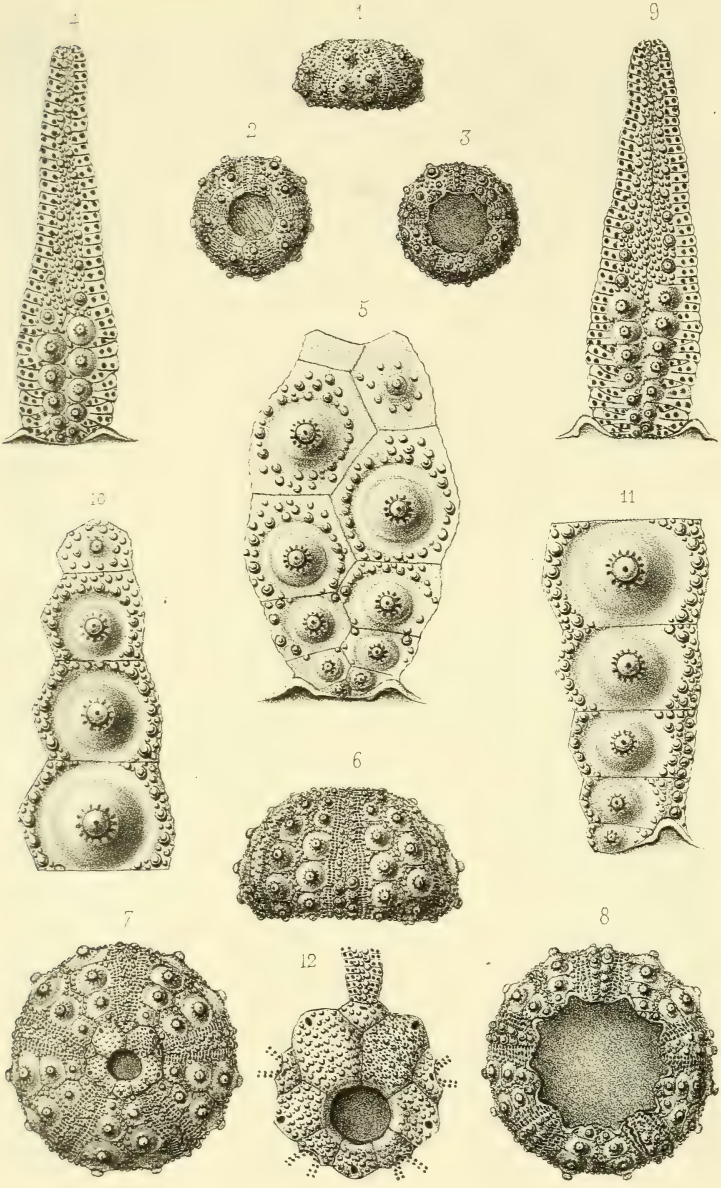
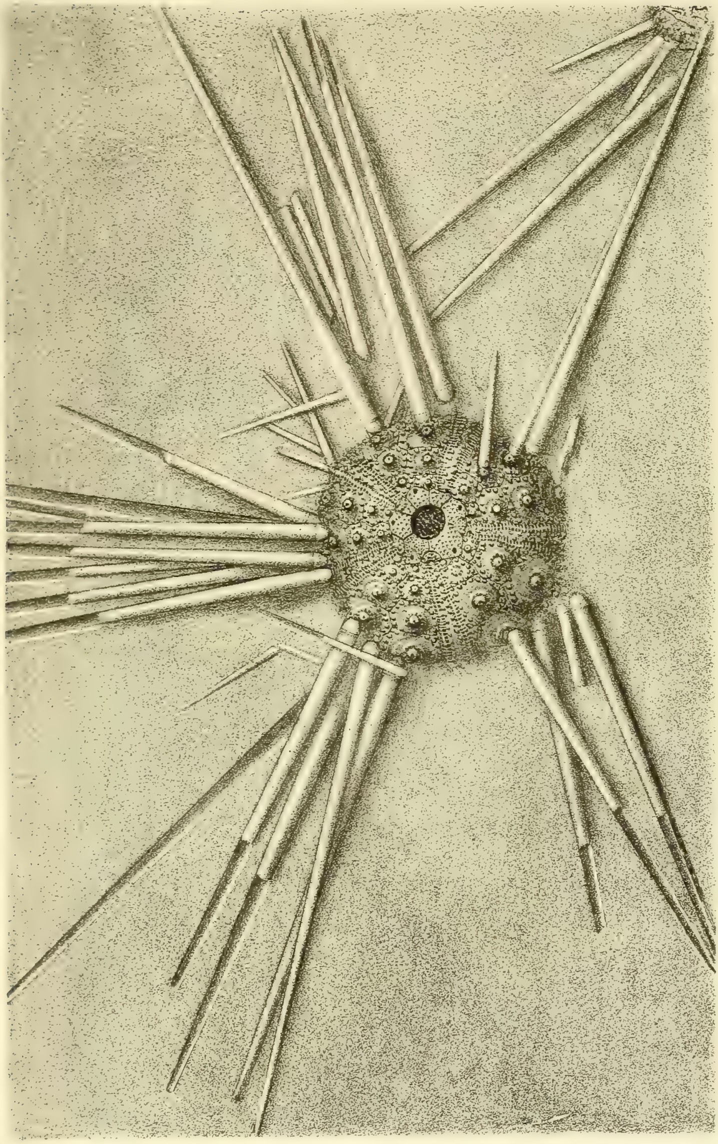
Hemicidaris microtuberculata, Cotteau. Bathonien.



Humbert lith. G. Masson Editeur. Imp. Becquet, Paris.

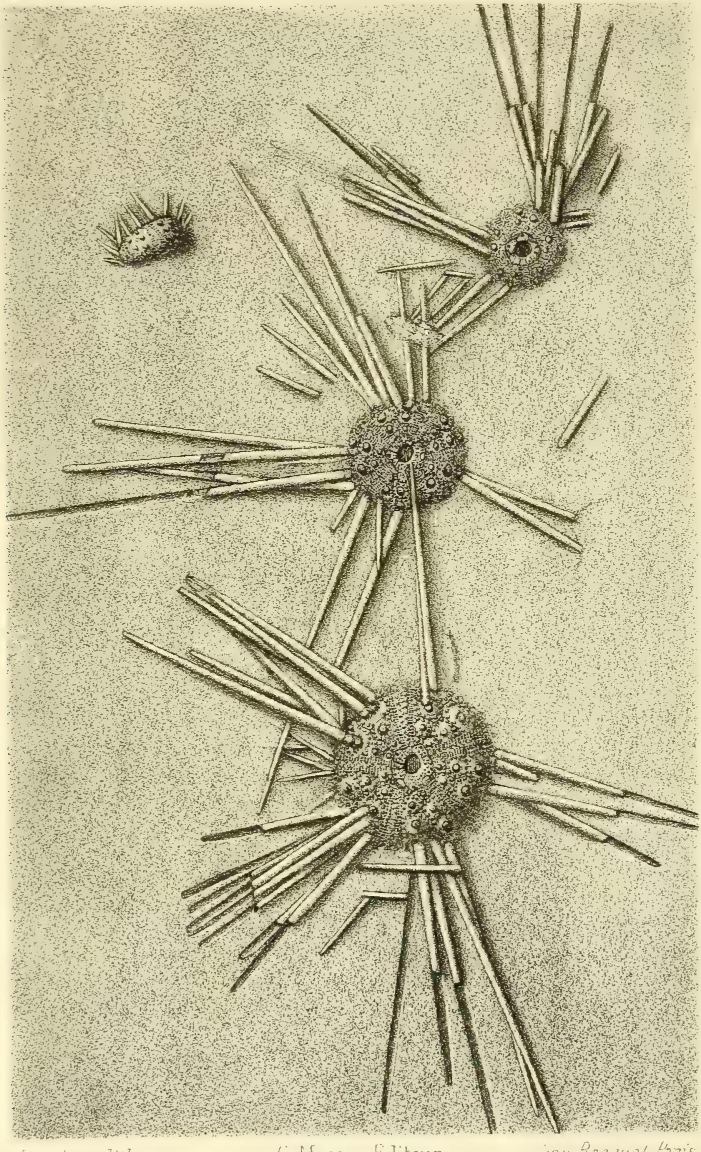
1_5. *Hemicidaris sarthacensis, Cotteau. Bathonien.*

6_12. *H._______ Martini, _____ ______*



Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris

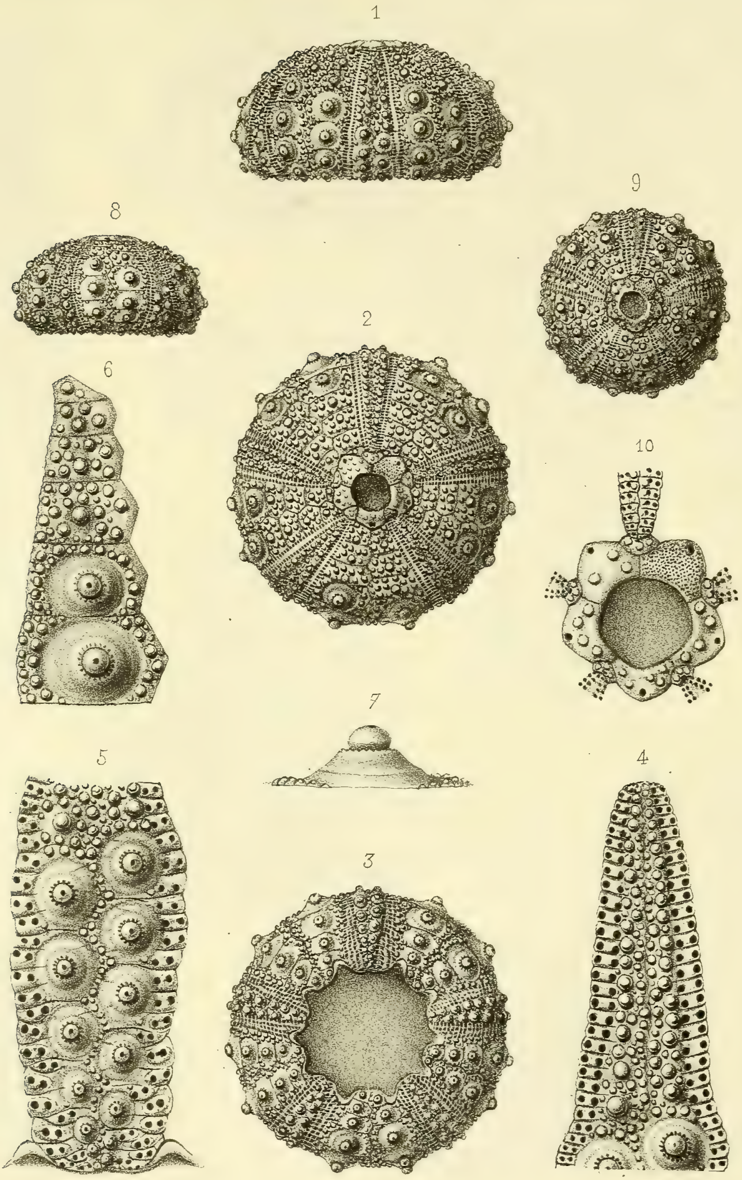
Hemicidaris Martini, Cotteau. Bathonien.



Humbert lith. G. Masson Editeur. Imp. Becquet, Paris.

Hemicidaris Martini, Cotteau. Bathonien.

(½ grandeur naturelle.)



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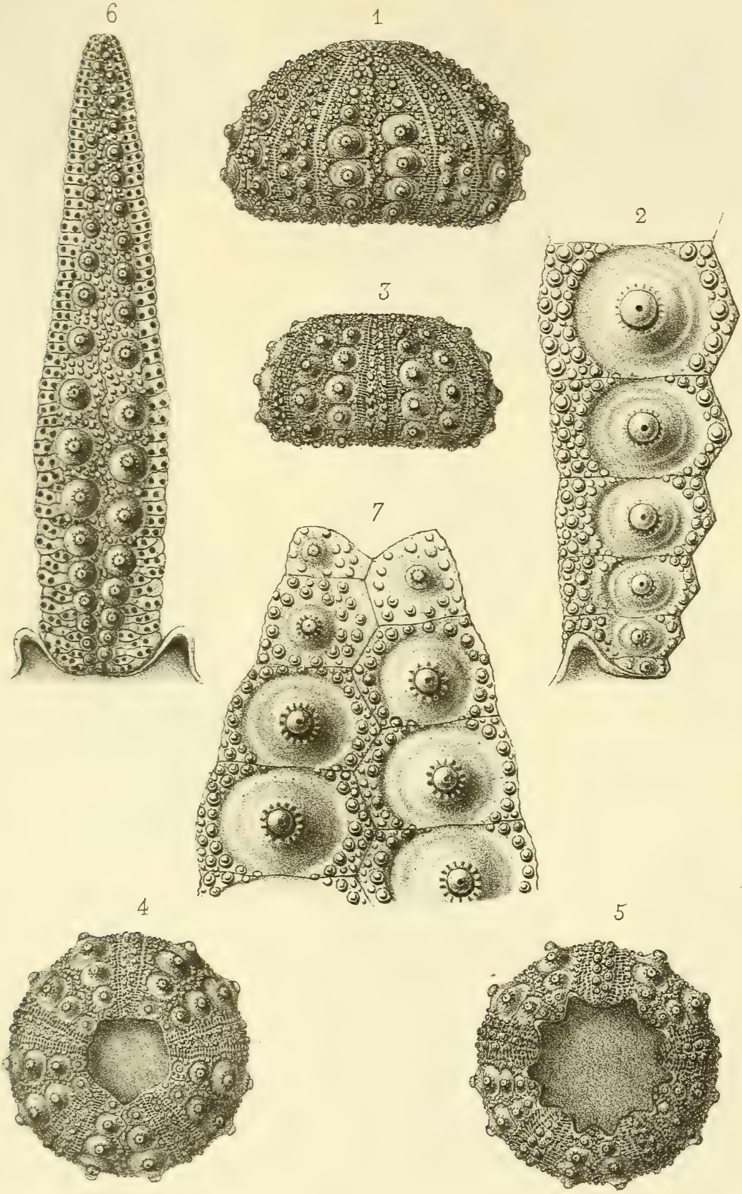
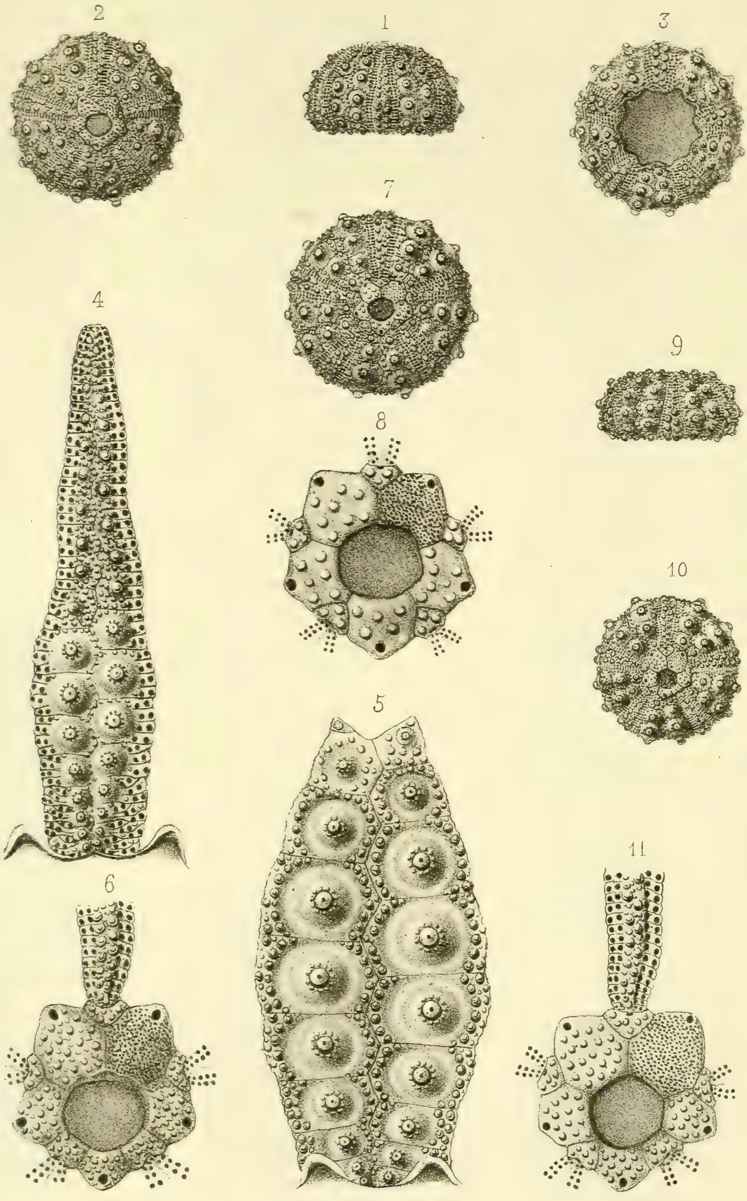
Hemicidaris pustulosa, Agassiz. Bathonien.



Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

1 – 2. *Hemicidaris pustulosa*, Agassiz. Bathonien.

3 – 7. *H.* – ——— *Babeaui*, Cotteau. ———



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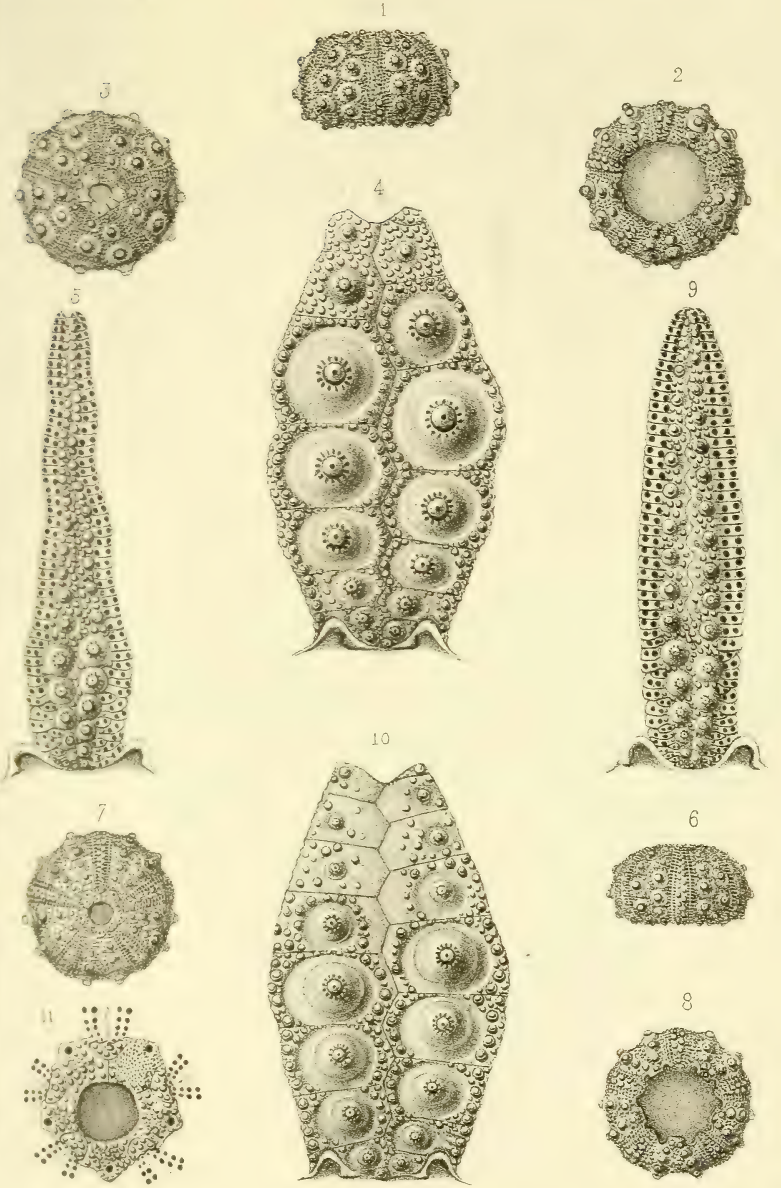
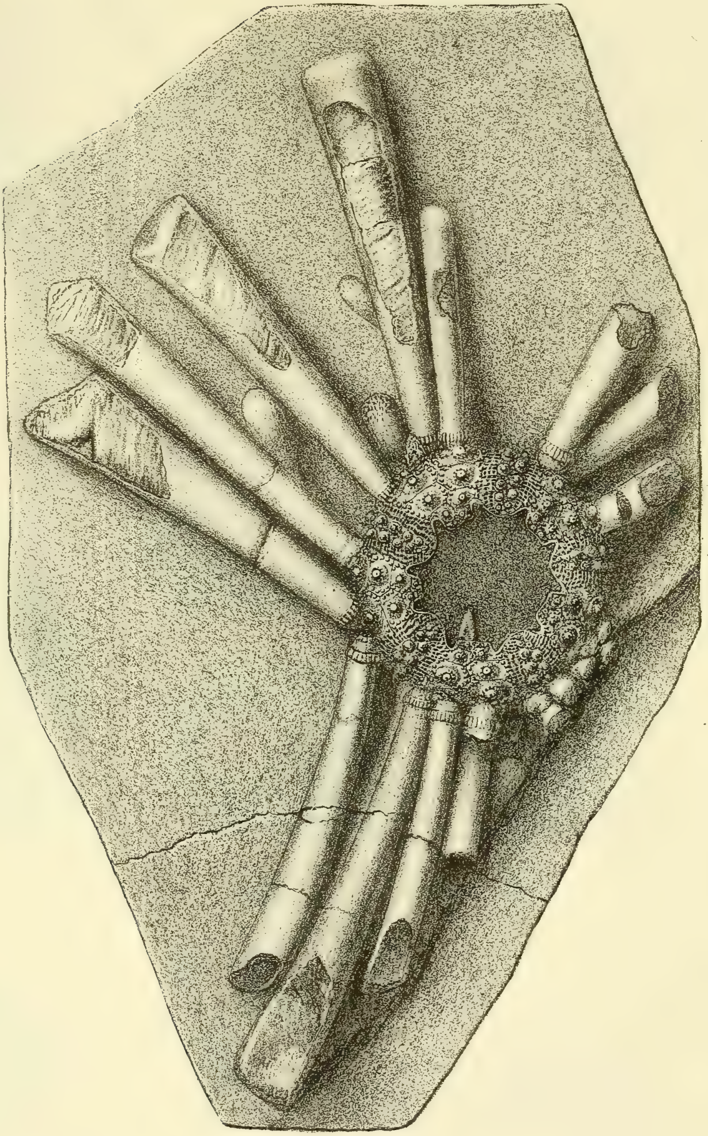
Hemicidaris Jauberti, Cotteau. Bathonien.



G. Masson Editeur. Imp. Becquet, Paris.

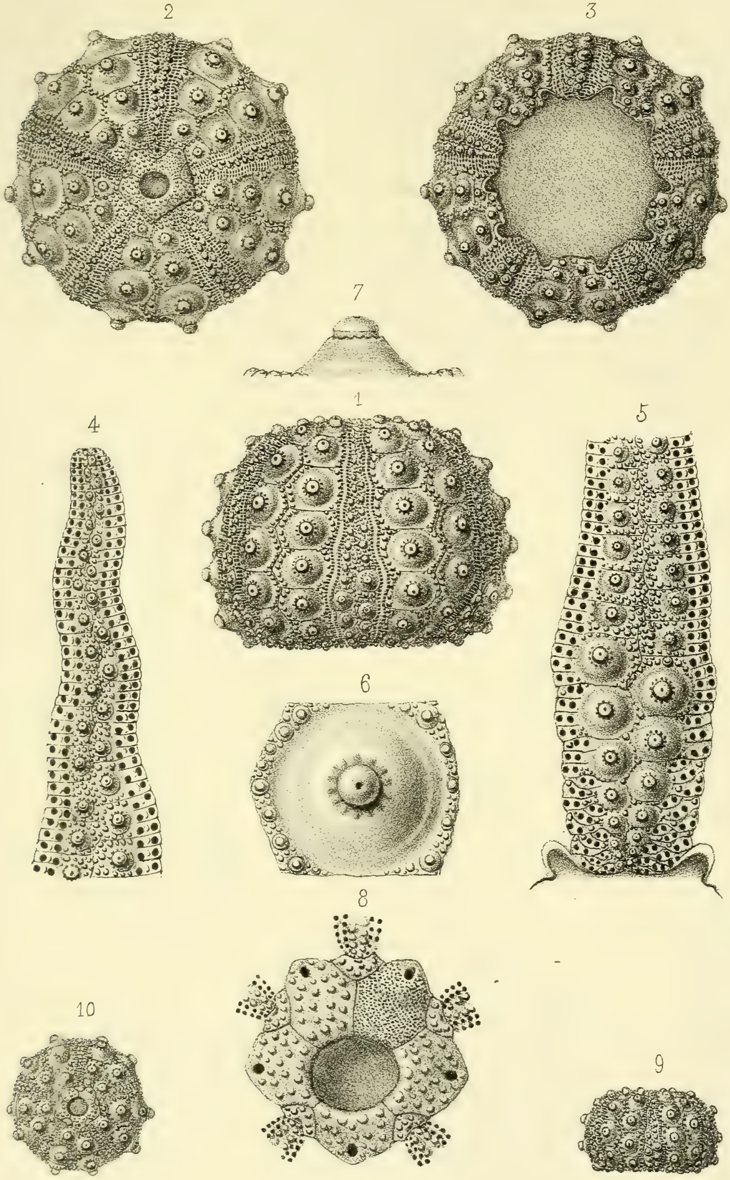
1 5. *Hemicidaris stricta*, Cotteau. Bathonien.

6 11. *H.— — Guerangeri*, Cotteau. Callovien.



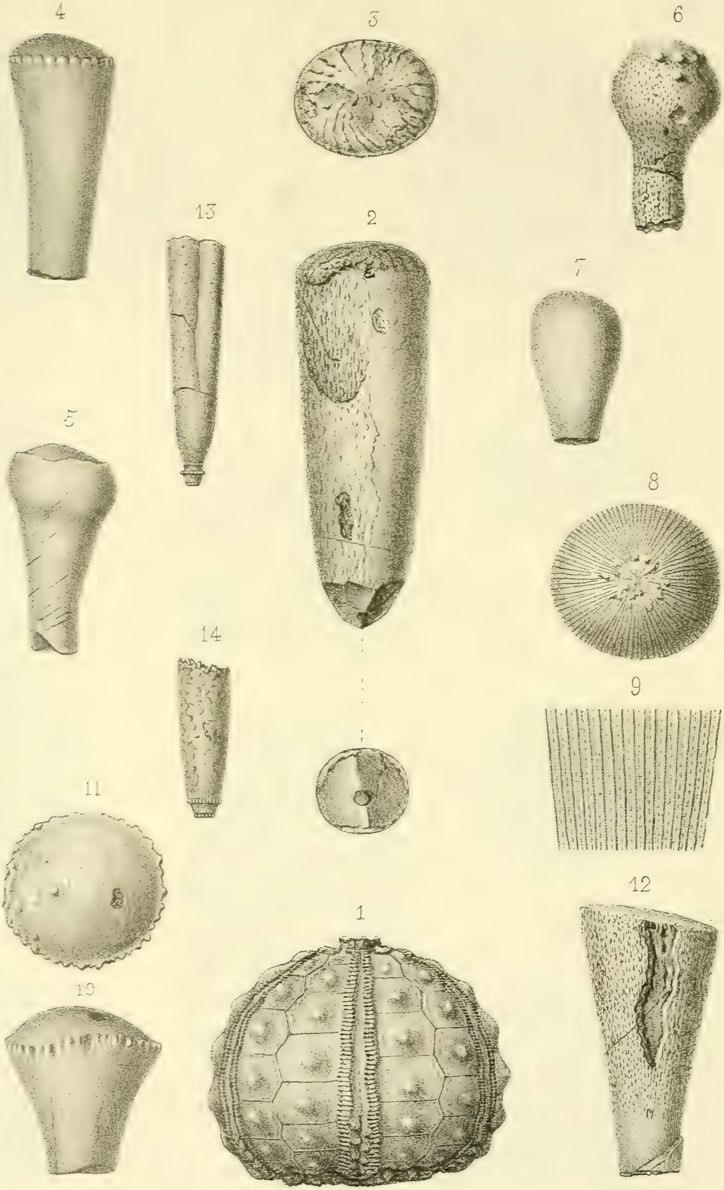
Humbert lith. G. Masson, Editeur. Imp. Becquet Paris.

Hemicidaris crenularis (Lamarck) Agassiz. Corallien.



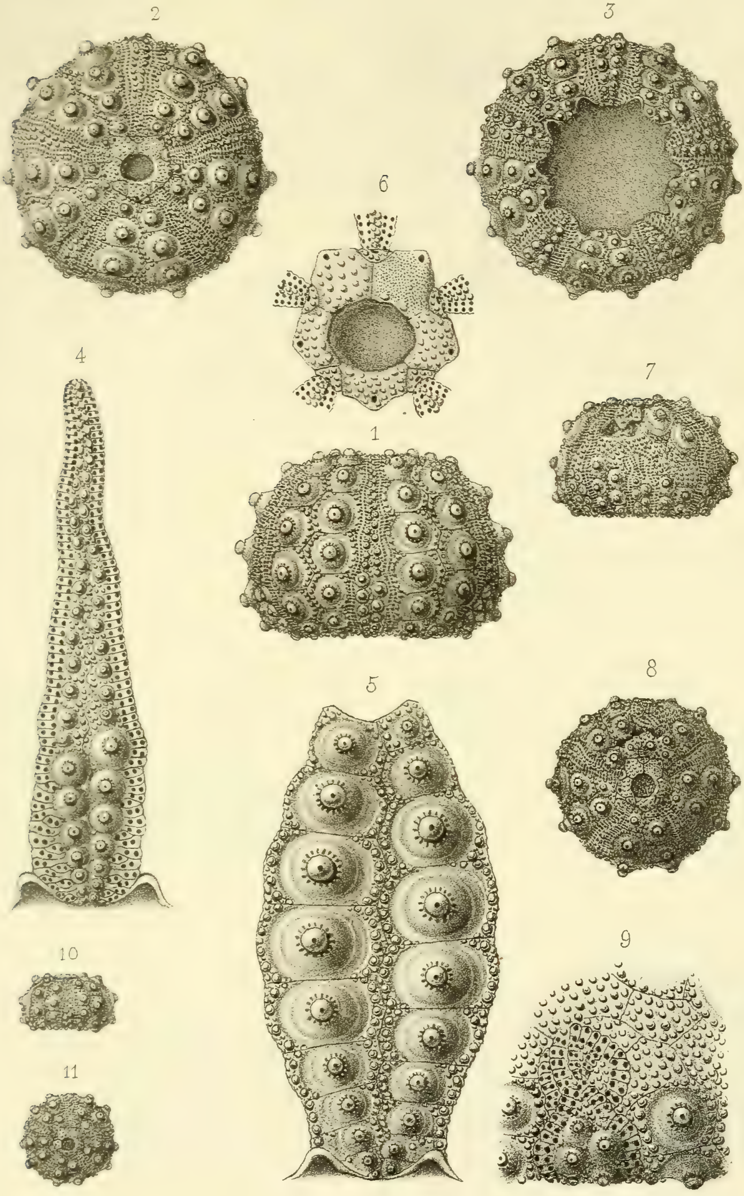
Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

Hemicidaris crenularis (Lamarck), Agassiz, Corallien.



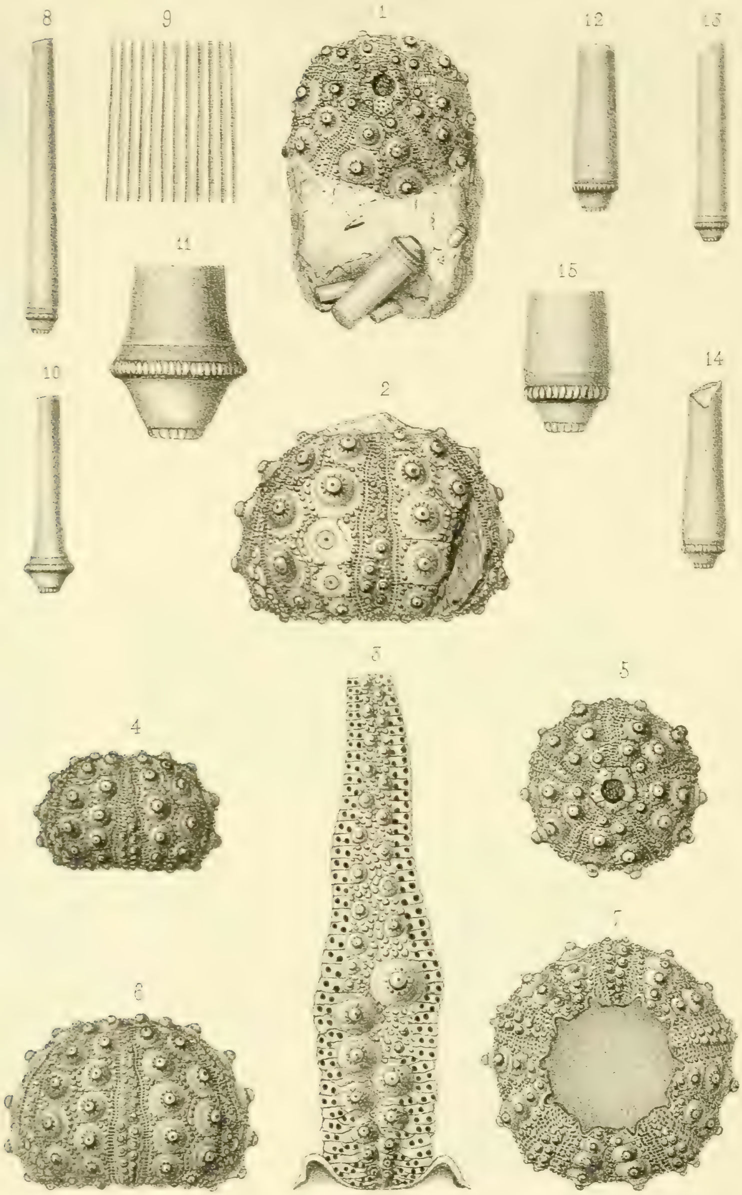
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Hemicidaris crenularis (Lamarck), Agassiz, Corallien.



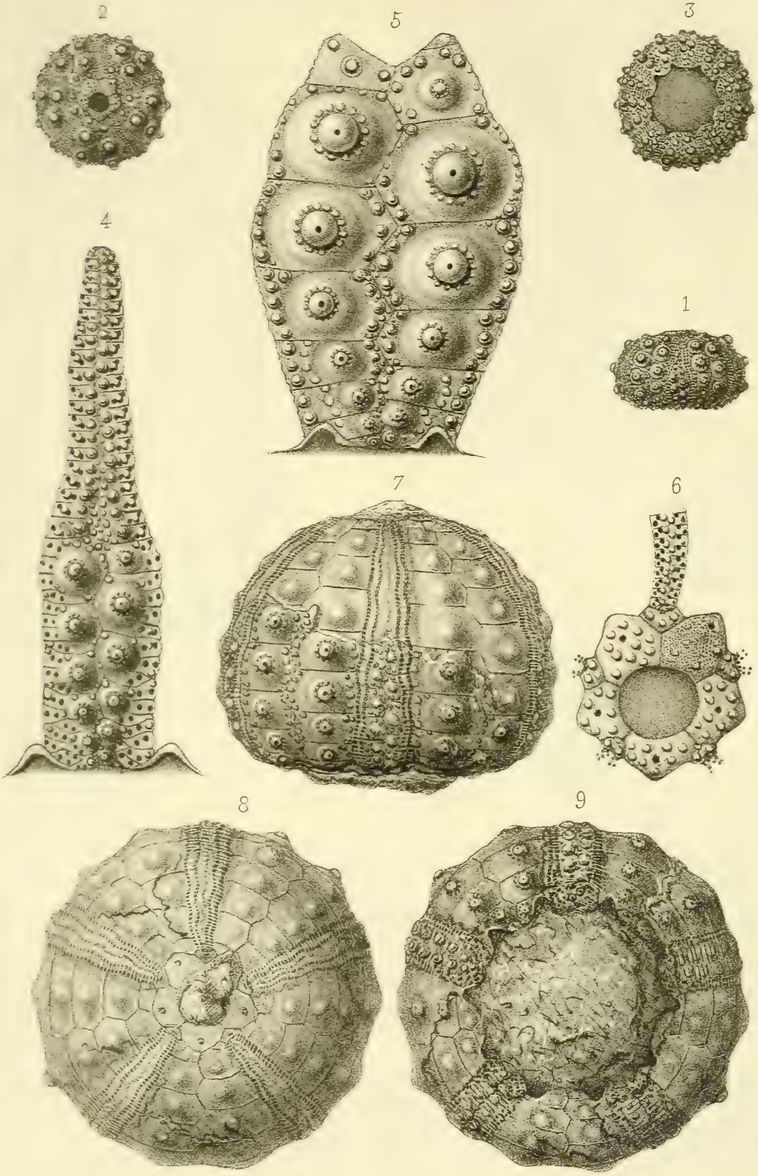
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Hemicidaris intermedia (Fleming), Agassiz. Corallien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

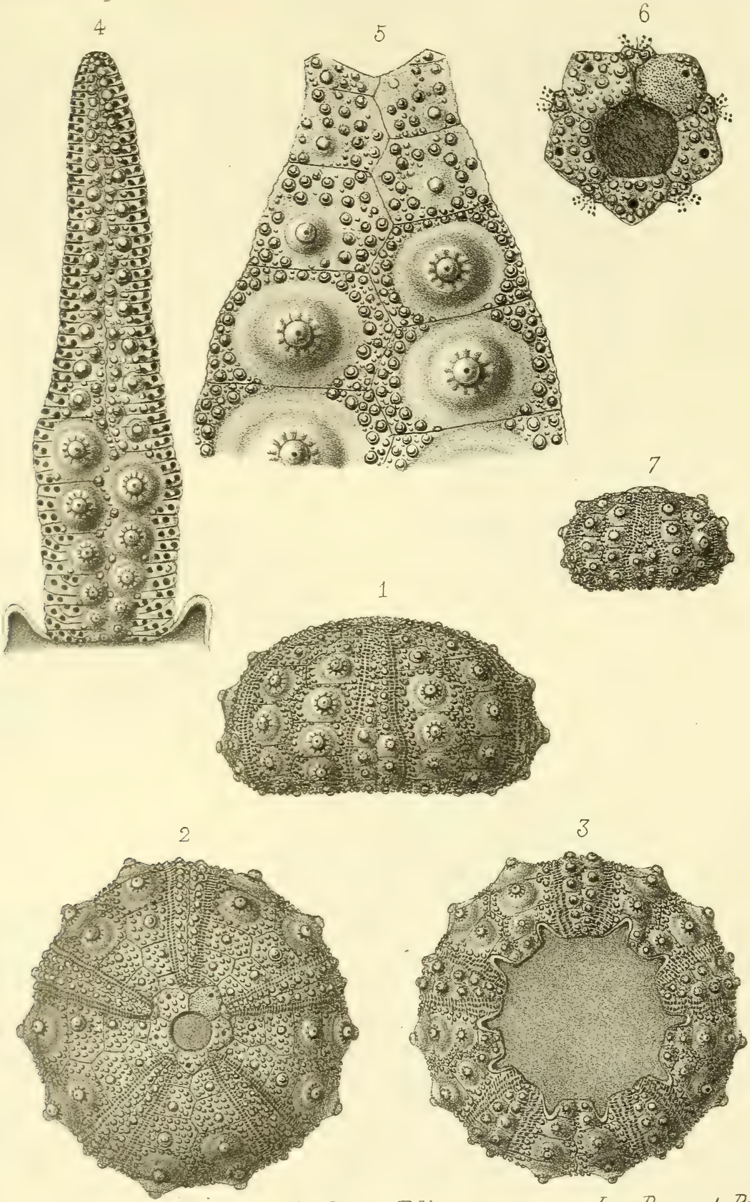
Hemicidaris intermedia (Fleming), Agassiz. Corallien.



Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

1–6. Hemicidaris merryaca, Cotteau. Corallien.

7–9. H. ——— Guerini, ——— ———



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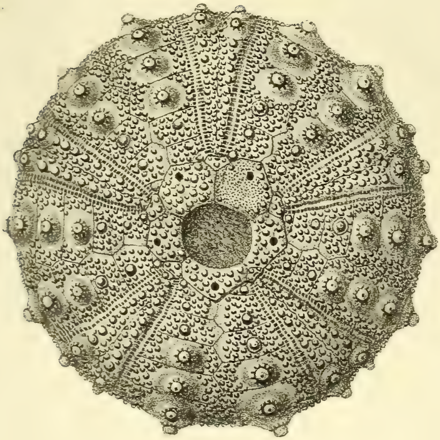
Hemicidaris Agassizi (Rœmer), Dames. Corallien.

2



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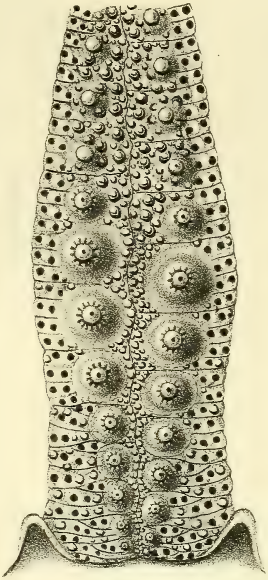

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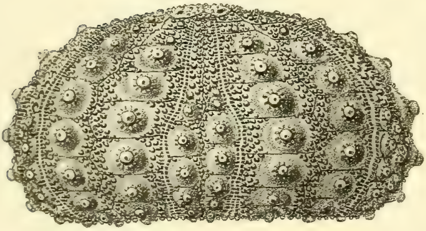

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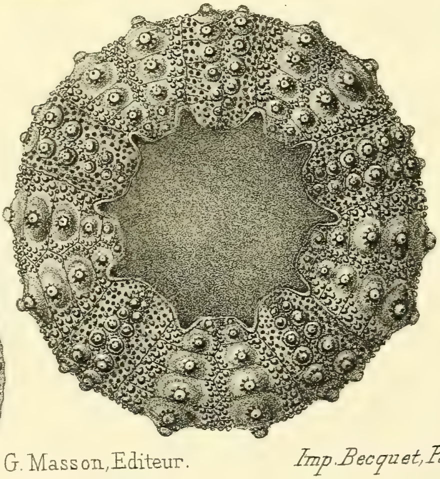

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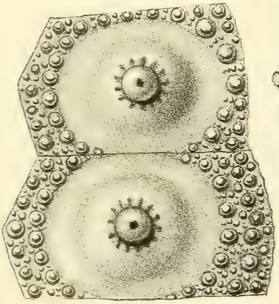
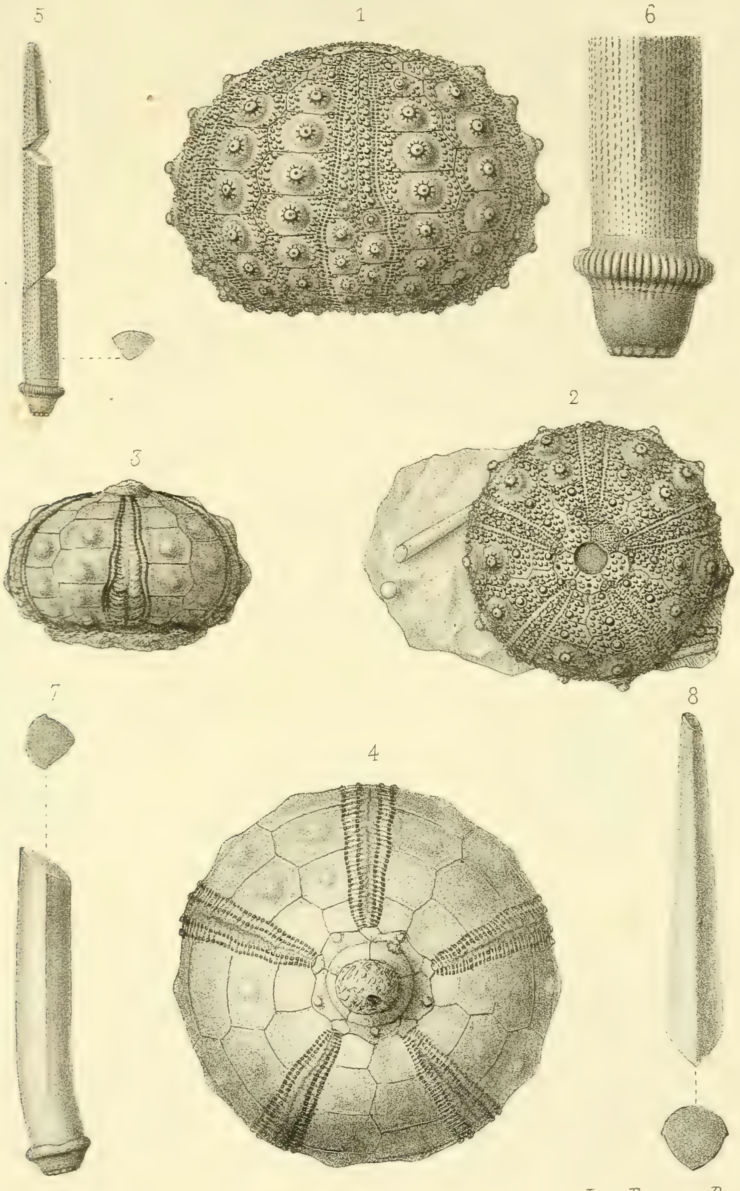


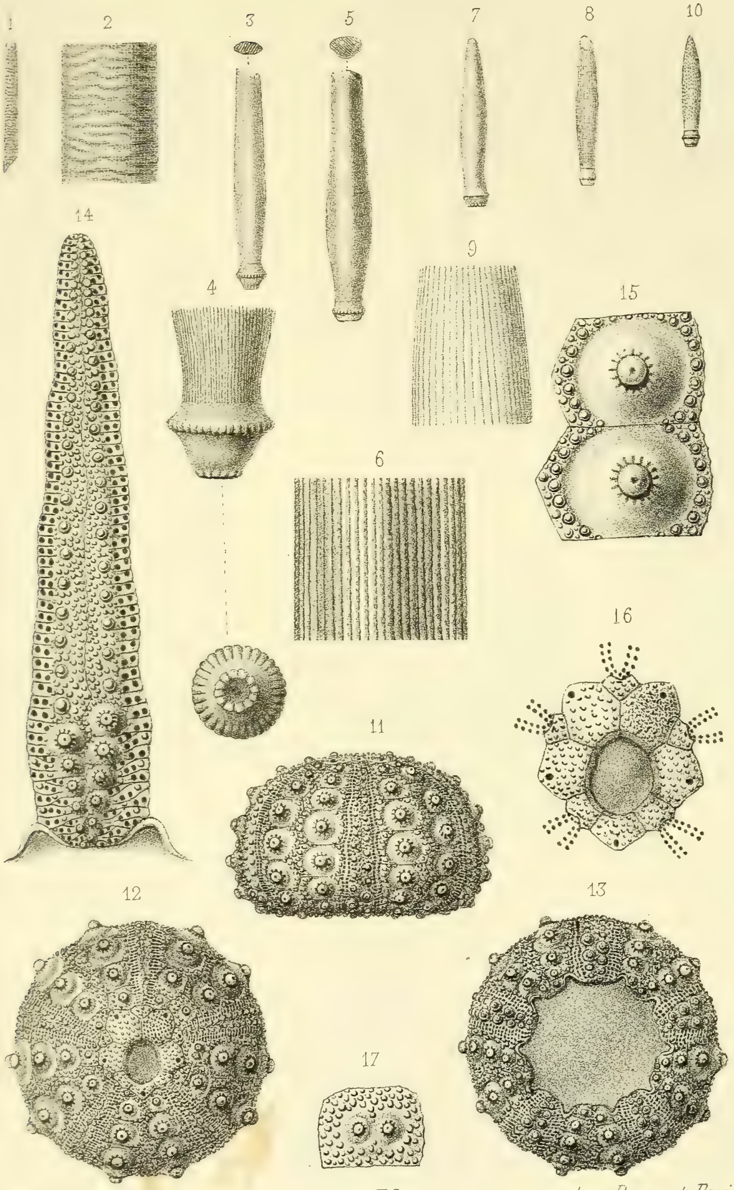
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Hemicidaris Agassizi (Rœmer), Dames. Corallien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet Paris.*

Hemicidaris Agassizi (Rœmer), Dames. Corallien.



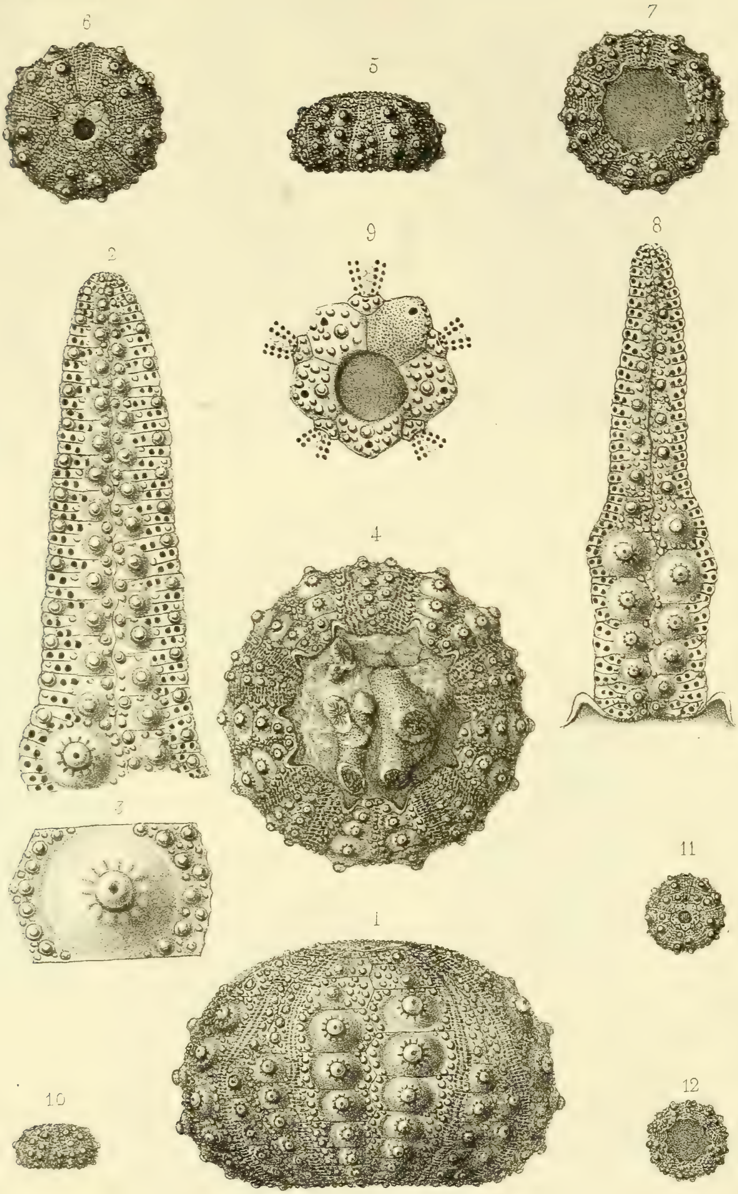
Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

1 _ 2. *Hemicidaris Pacomei*, Cotteau. Oxfordien.

3 _ 6. *H.* ——— *Lamberti*, ——— Bathonien.

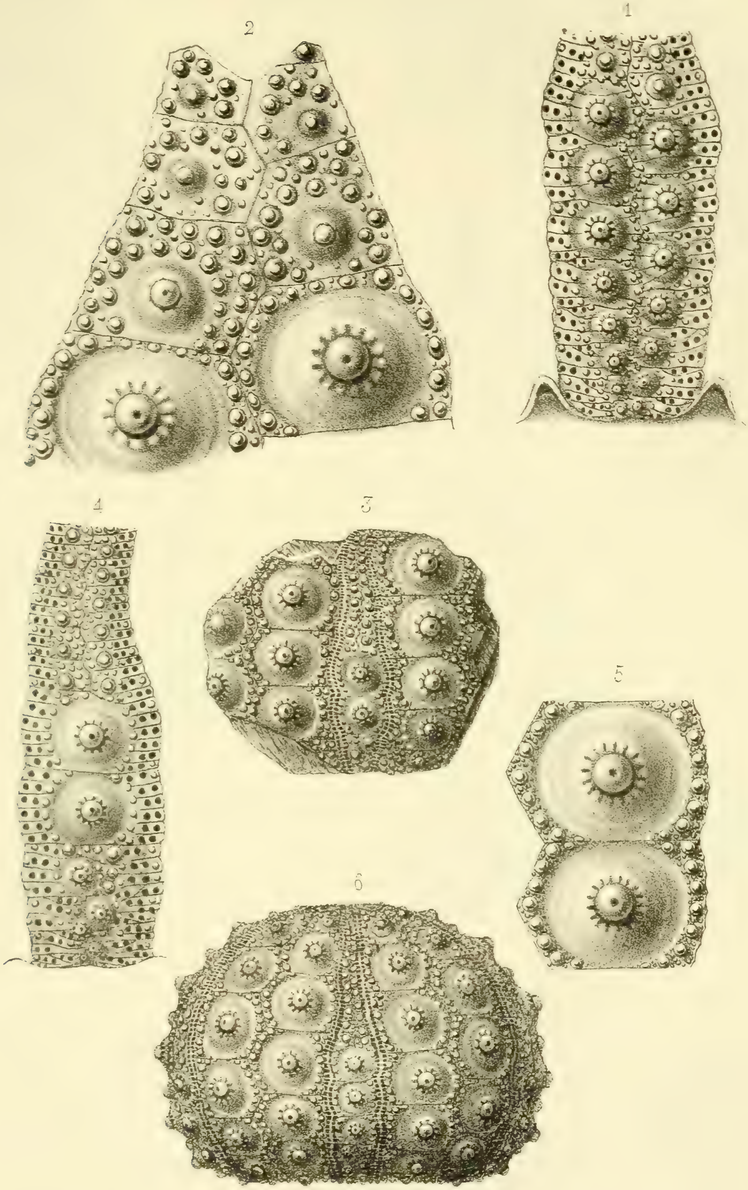
7 _ 10. *H.* ——— *Cotteaui*, Etallon. Corallien.

11 _ 17. *H.* ——— *rognonensis*, Cotteau. ———



Humbert lith. G. Masson, Editeur. imp. Becquet, Paris.

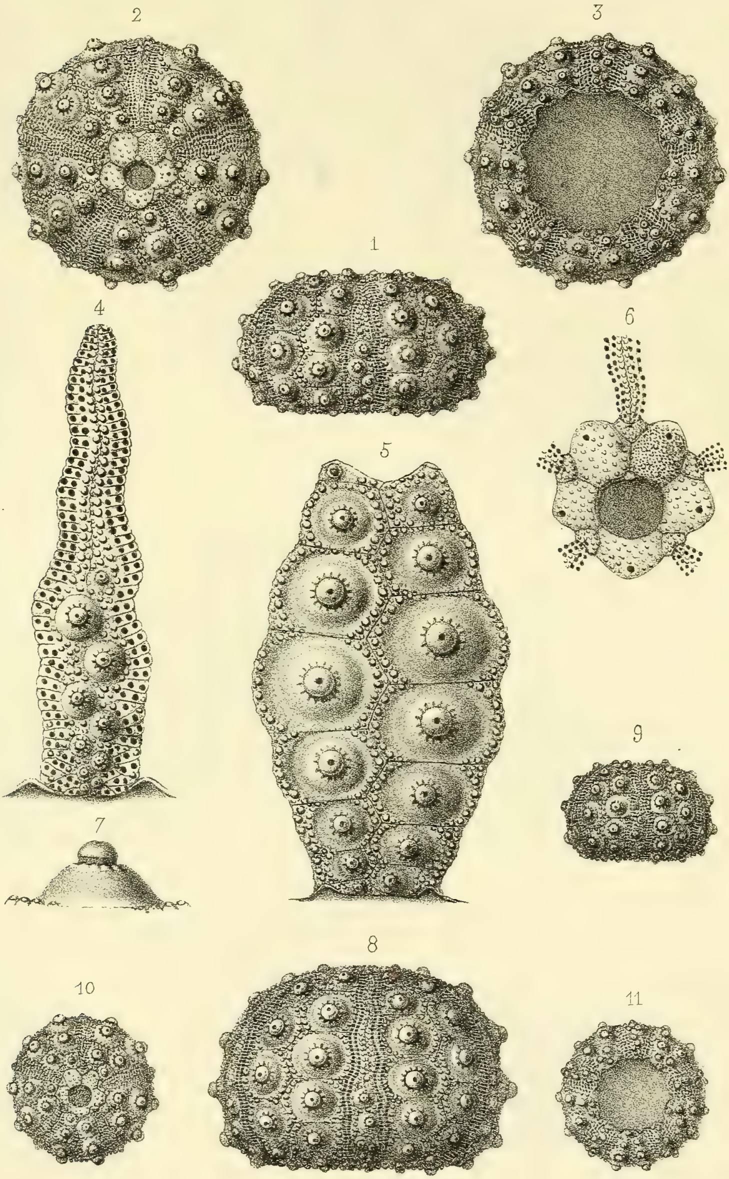
Hemicidaris Lestoquii, Thurmann. Corallien sup.



Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

1 – 2. Hemicidaris Lestoquii, Thurmann. Corallien.

3 – 6. H. ——— serialis, Oppel. ———



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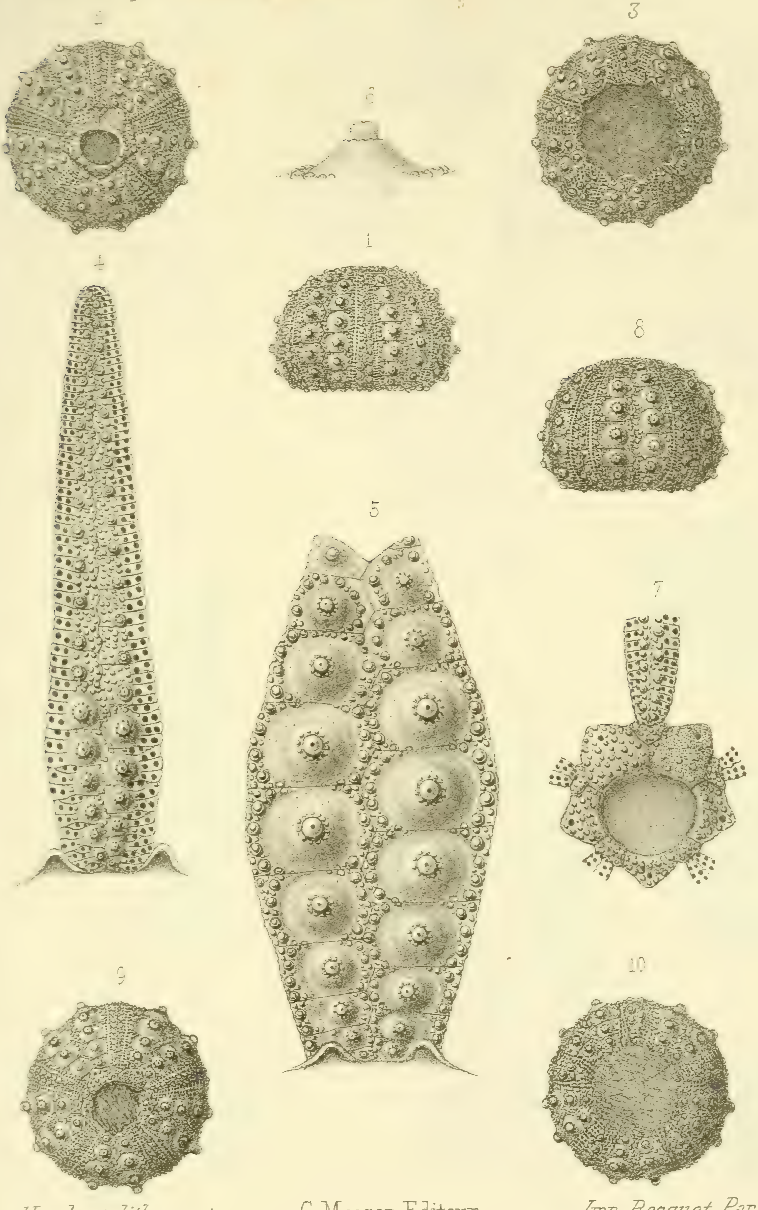
Hemicidaris stramonium, Agassiz. Kimméridgien.



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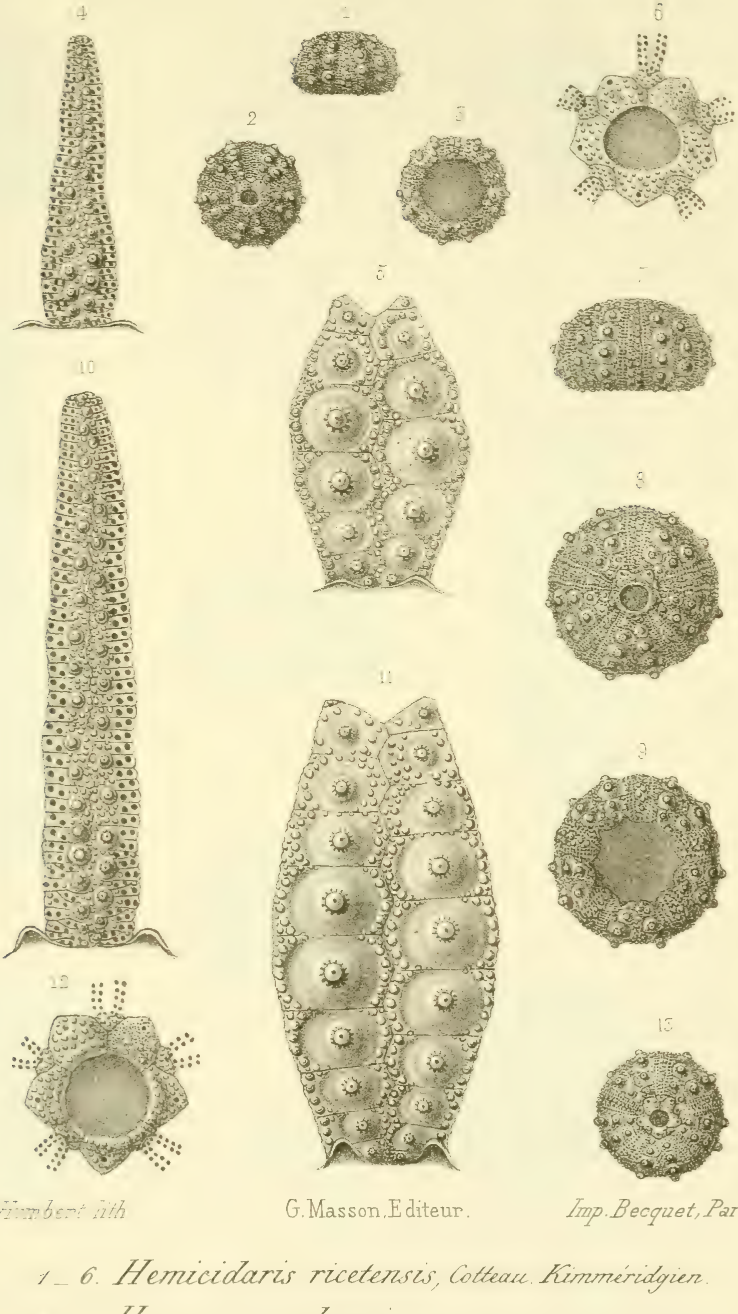
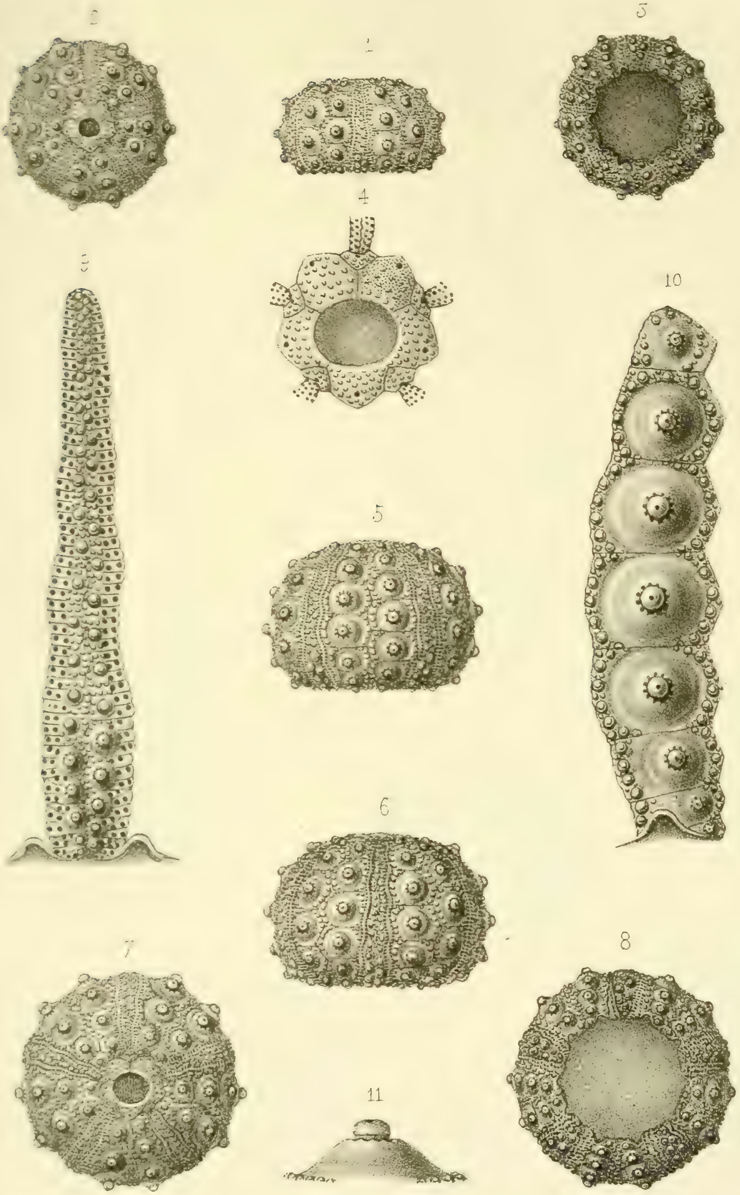
Hemicidaris mitra, *Agassiz. Kimméridgien.*



Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

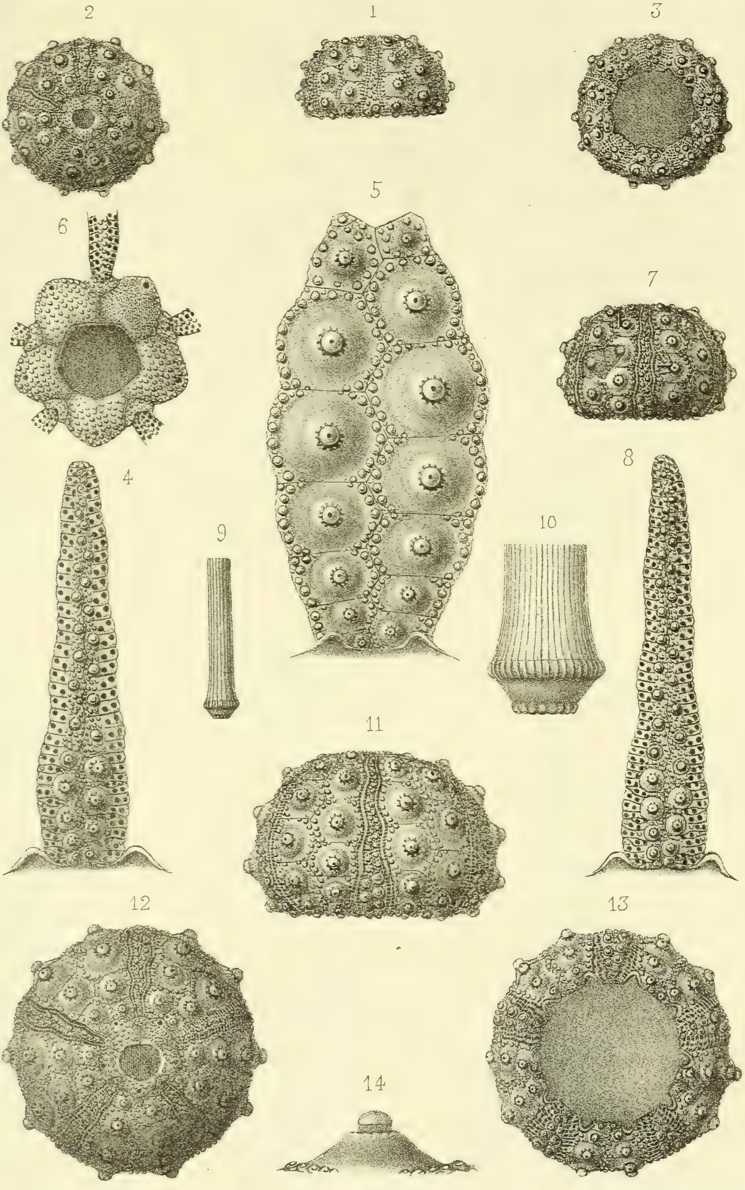
1 _ 6. *Hemicidaris ricetensis*, Cotteau. Kimméridgien.

7 _ 13. *H.* ——— *desoriana*, ——— ———



Humbert lith. G. Masson Editeur Imp. Becquet, Paris.

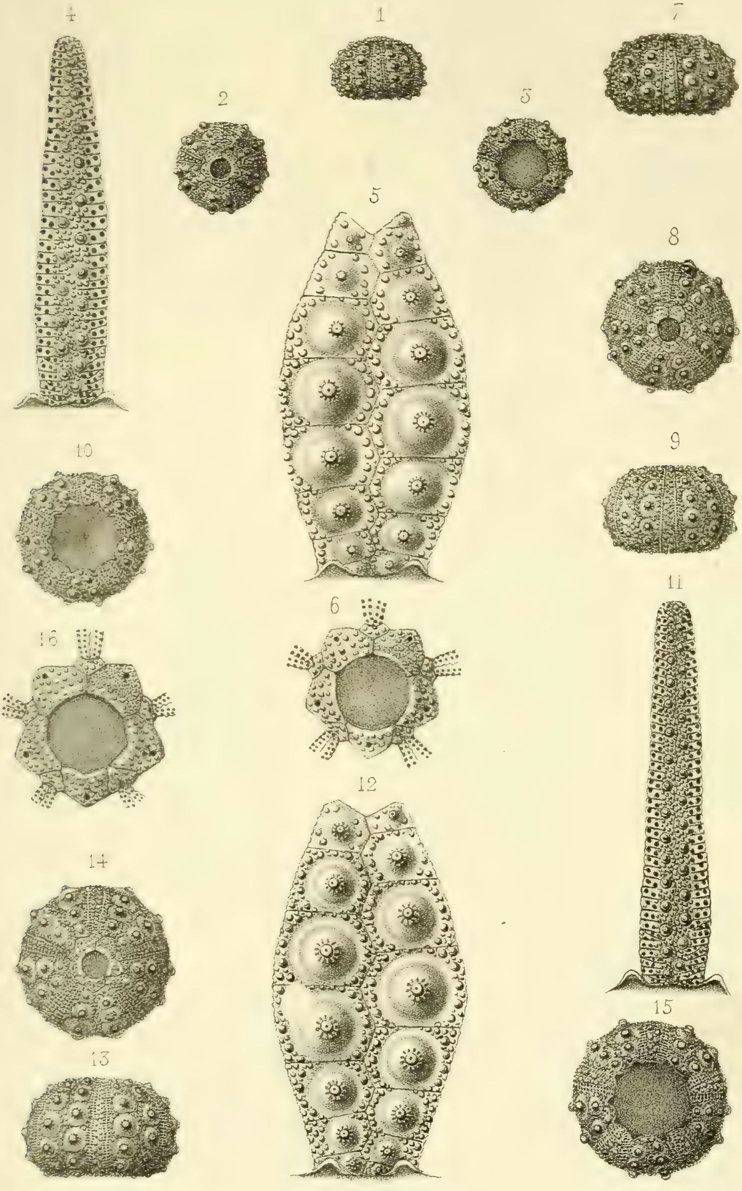
Hemicidaris Hoffmanni (Rœmer), Agassiz. Kimméridgien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

1 _ 10. *Hemicidaris Gresslyi*, *Etallon*. *Séquanien*.

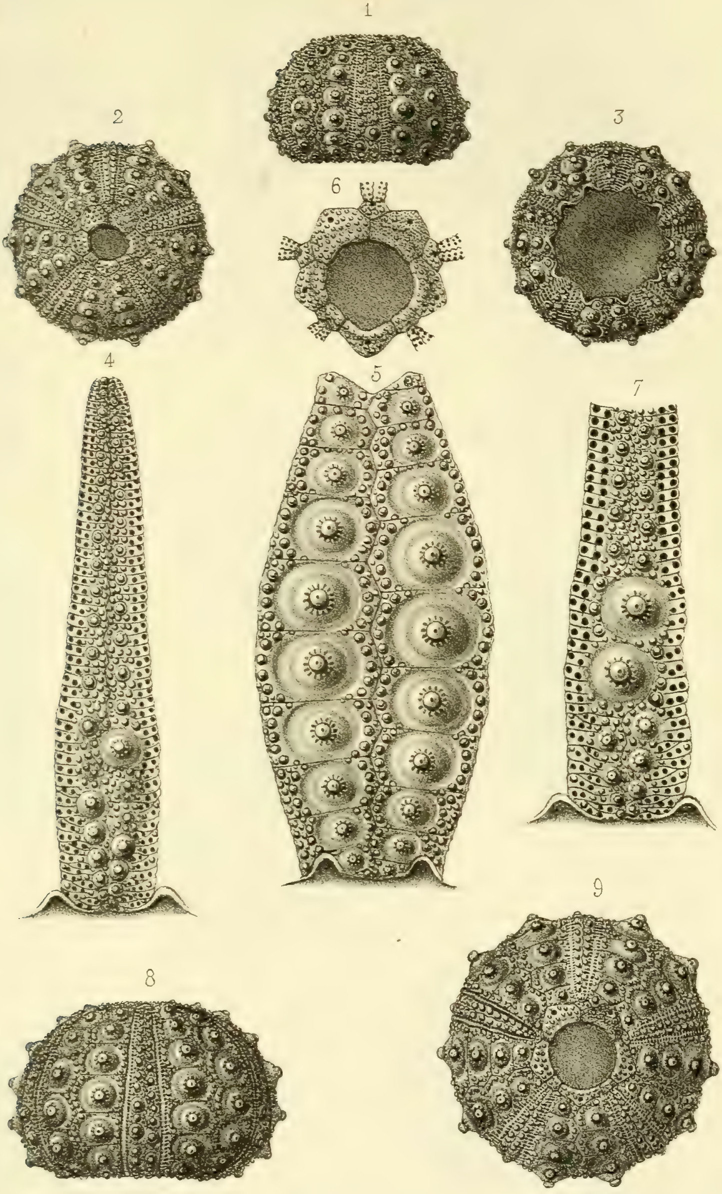
11 _ 14. *Pseudocidaris Leymeriei*, *Cotteau*. *Kimméridgien*.



Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

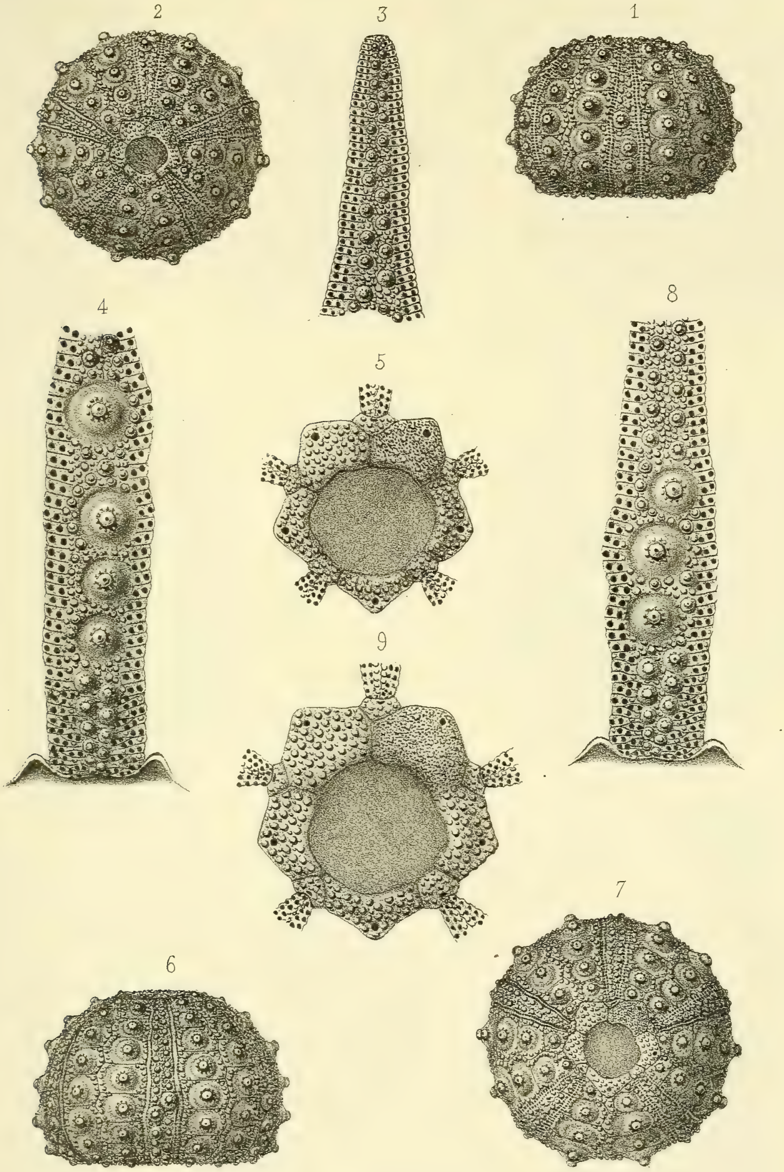
1 – 8. Hemicidaris pisum, Cotteau. Séquanien et kimméridgien.

9 – 16. H. ——— Rathieri, — — ——— – ————



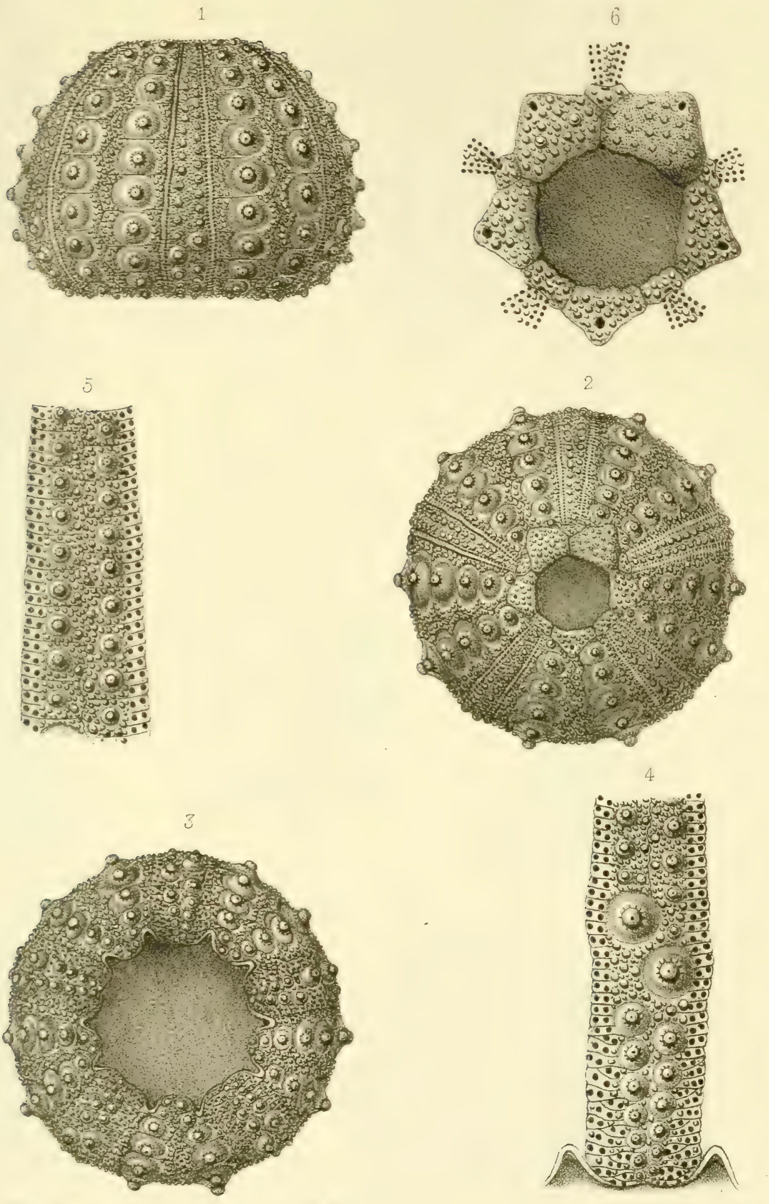
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Hemicidaris purbeckensis, Forbes. Portlandien.



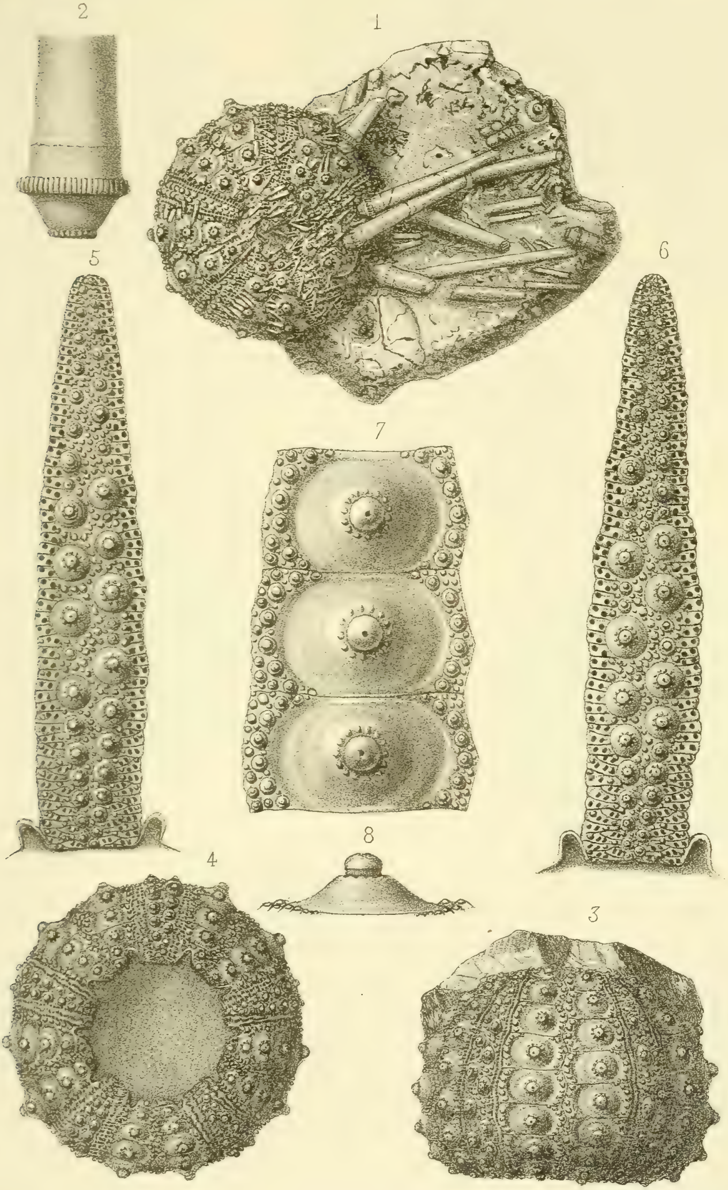
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Hemicidaris purbeckensis, Forbes. Portlandien.



Humbert lith. G. Masson, Editeur. Imp. Becquet. Paris.

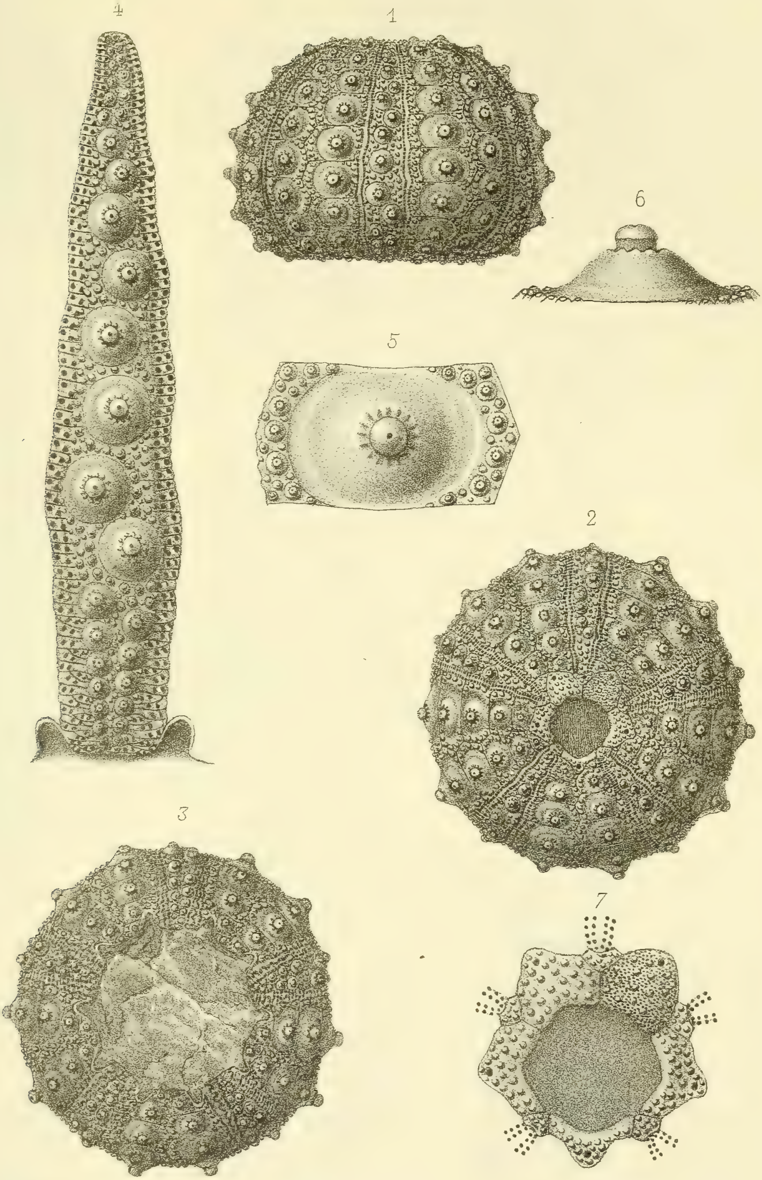
Hemicidaris purbeckensis, Forbes. Portlandien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

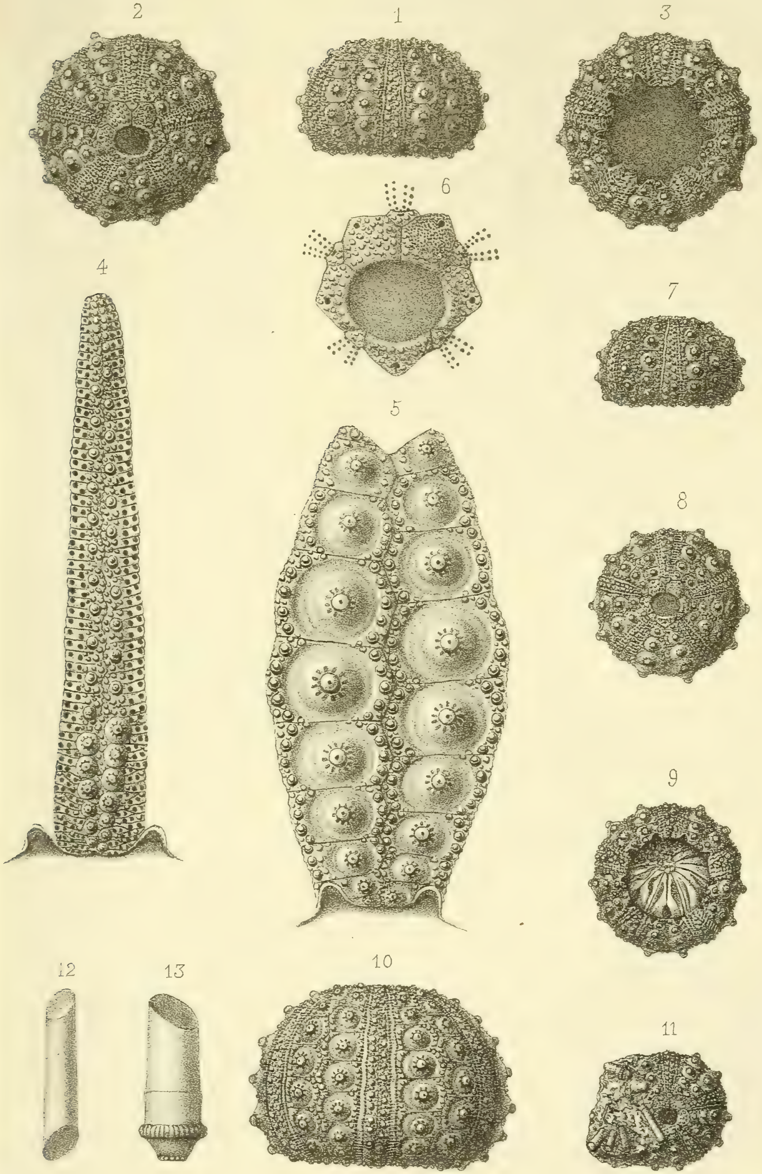
1 _ 2. Hemicidaris purbeckensis, forbes. Portlandien.

3 _ 8. H. ________ brillensis, ______ ________



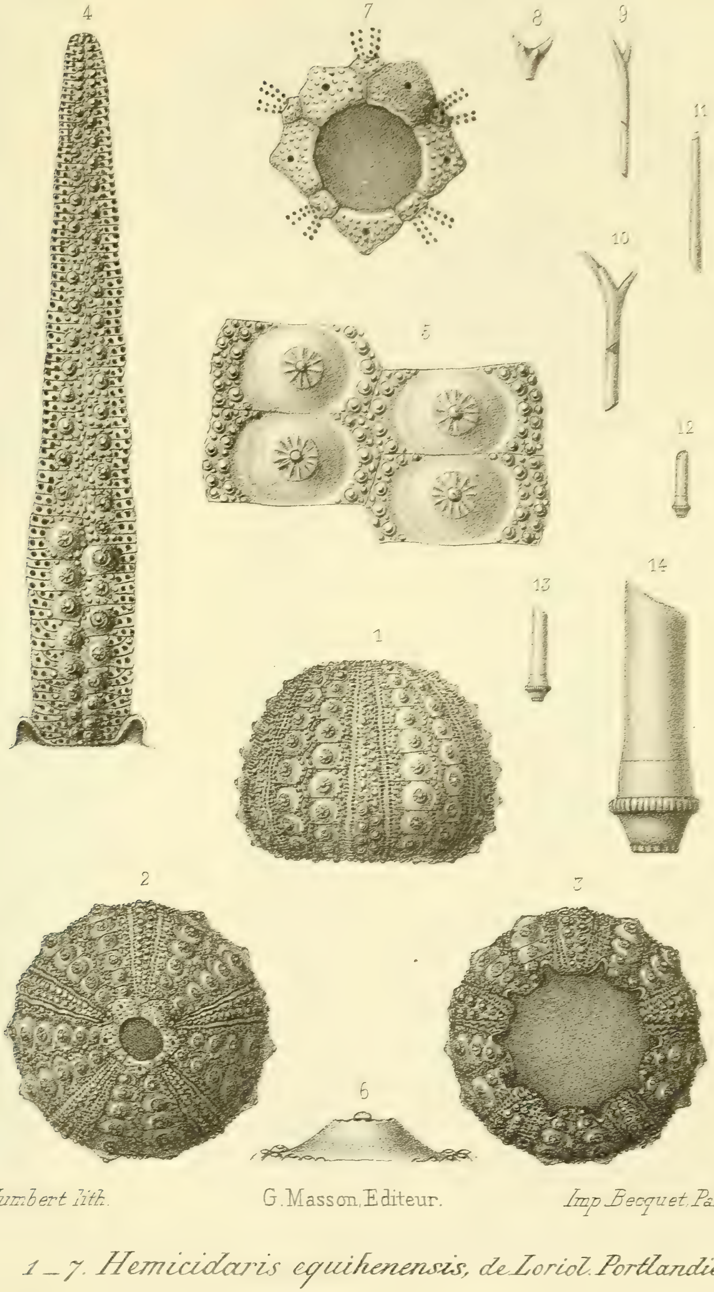
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Hemicidaris morinicum (Sauvage et Rigaux), Cotteau. Portlandien.



Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

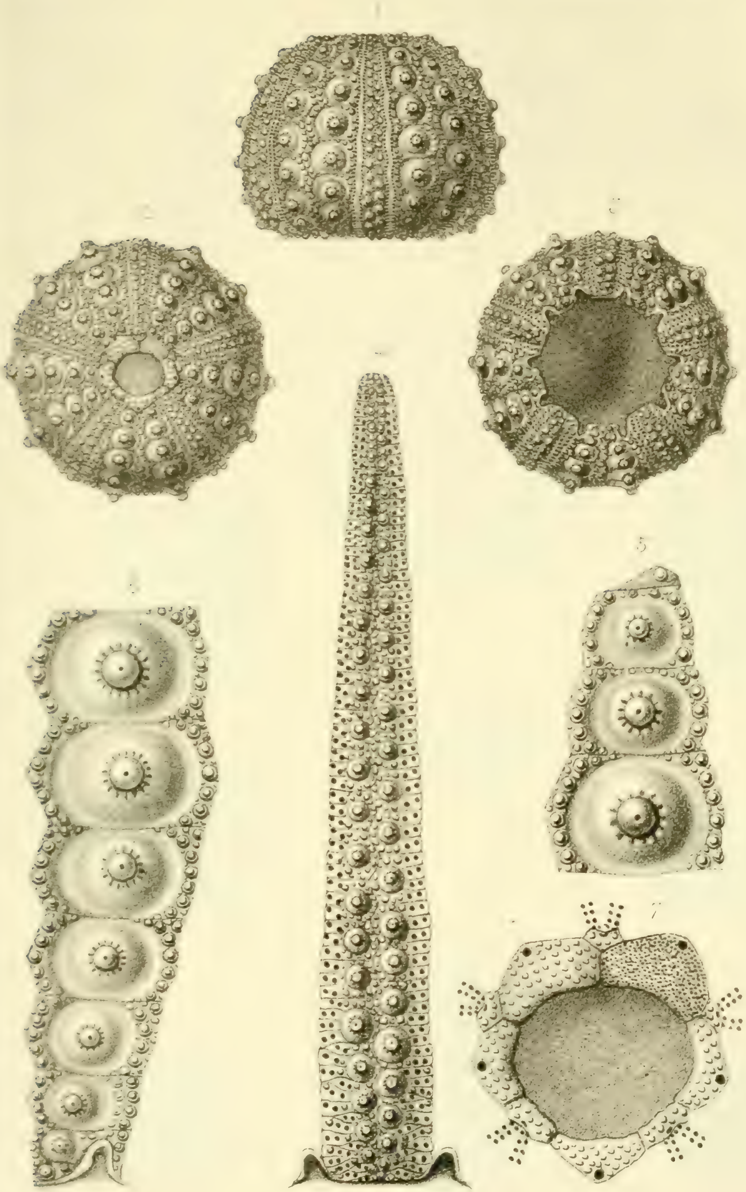
Hemicidaris Glasvillei, Cotteau. Portlandien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

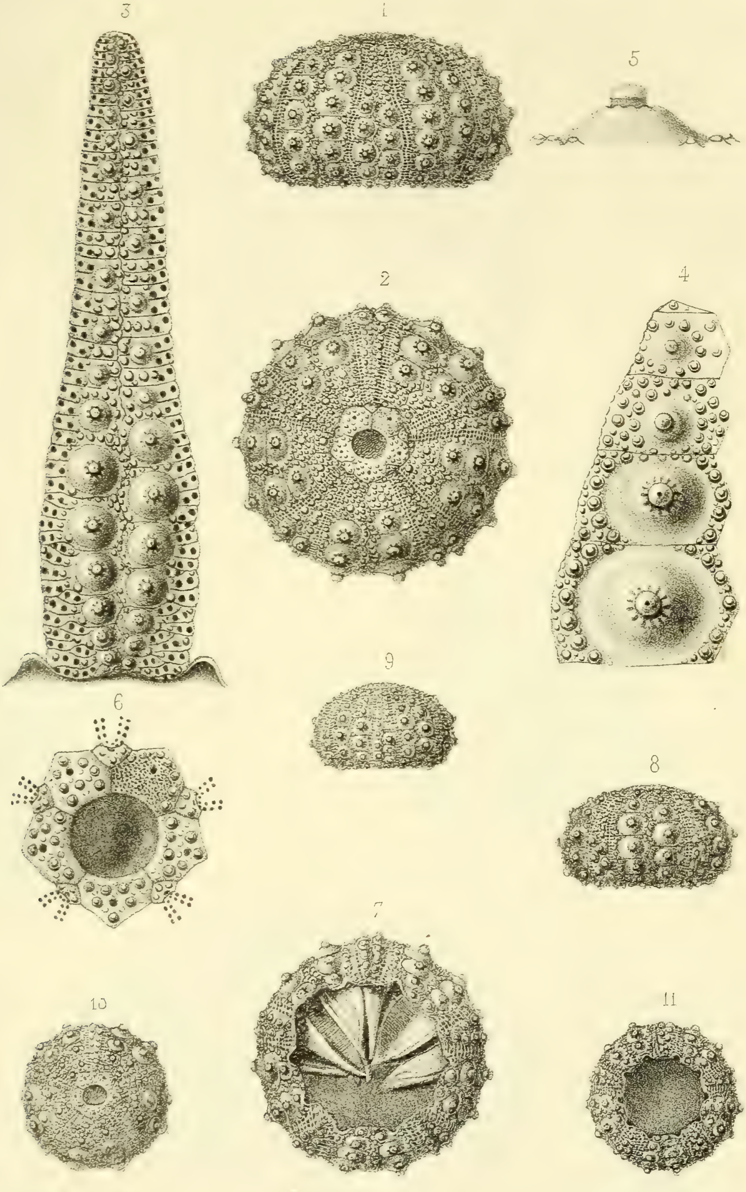
1–7. Hemicidaris equihenensis, de Loriol. Portlandien.

8–14. H. ———— Etalloni, Cotteau. ————



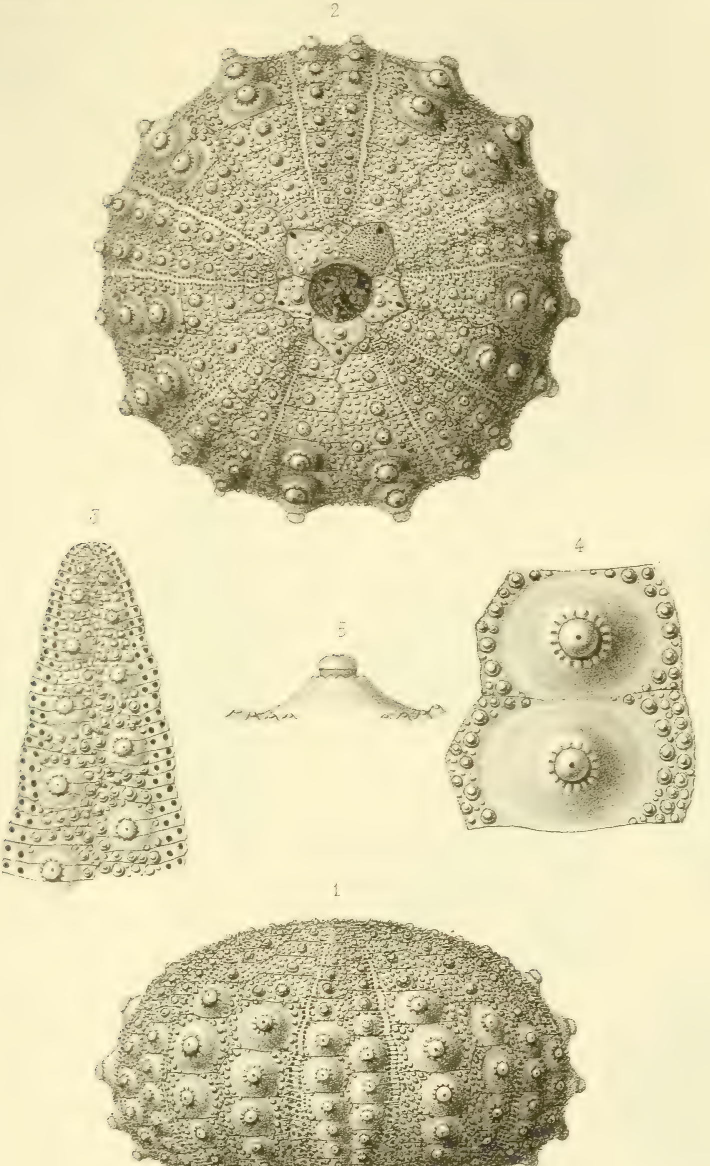
Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

Hemicidaris Pellati, Cotteau. *Portlandien.*



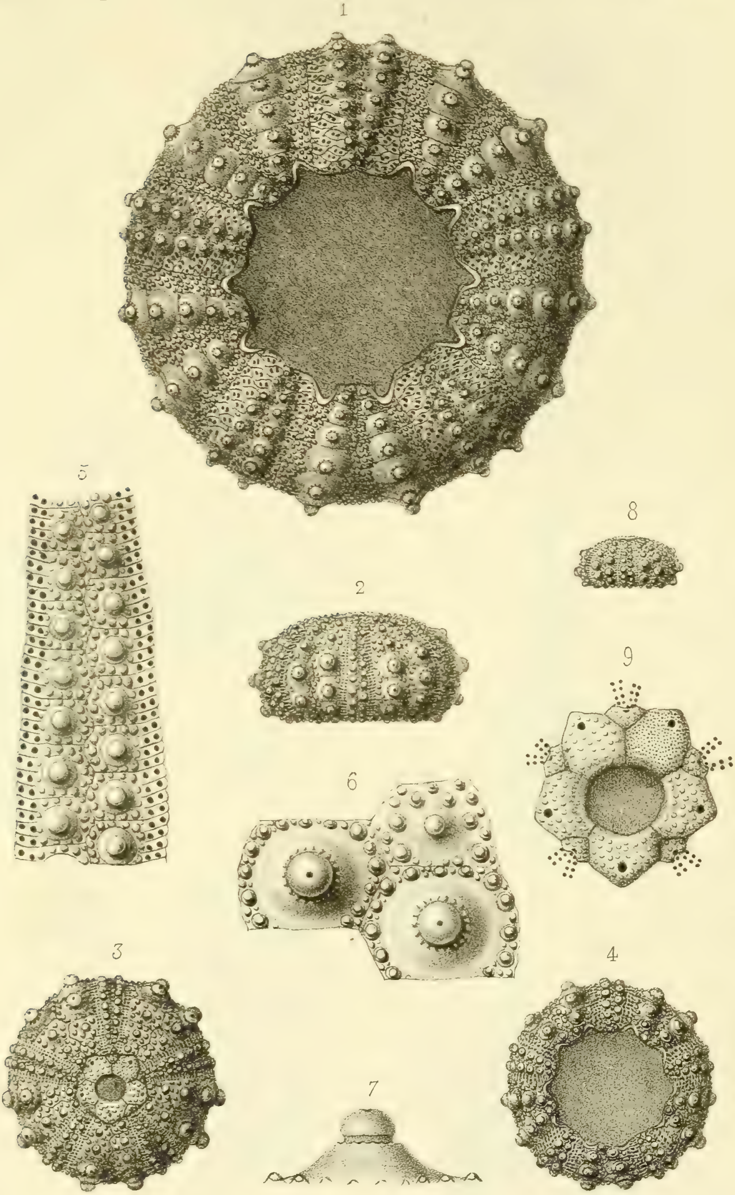
Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

Hemicidaris mantochensis, Cotteau. Portlandien.



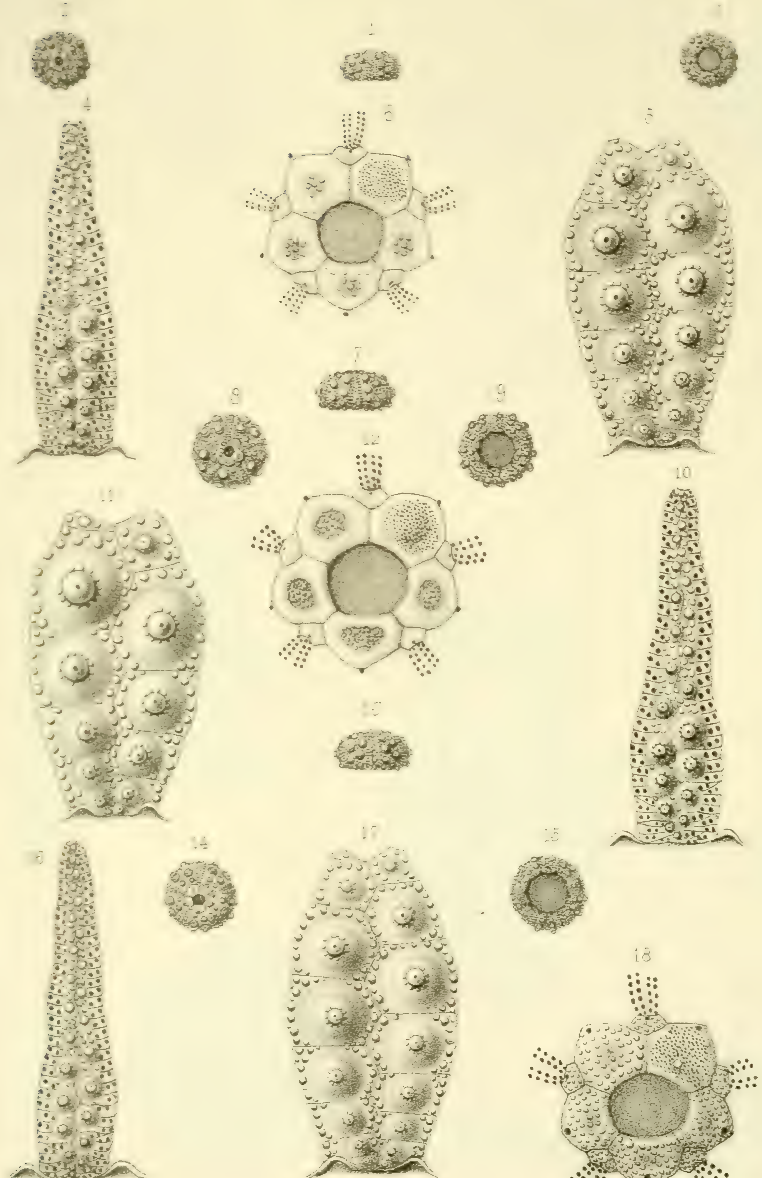
Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

Hemicidaris splendida, Cotteau. Corallien inf.



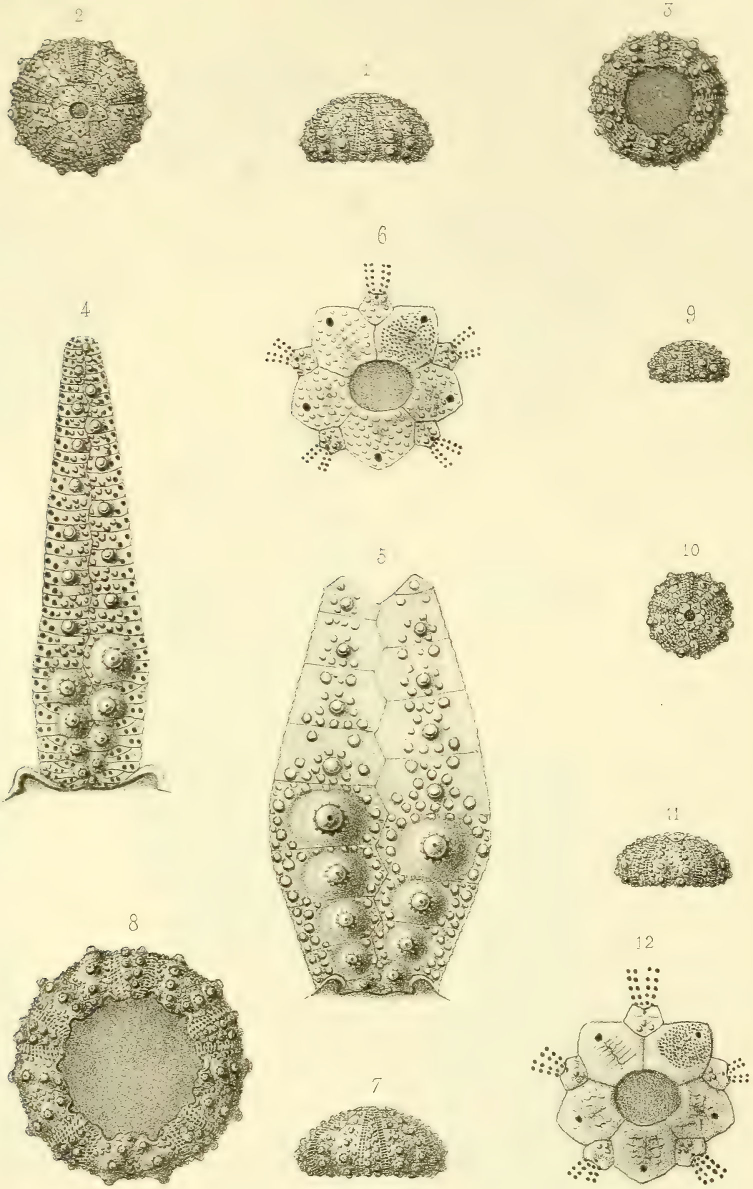
Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

1. *Hemicidaris splendida*, Cotteau. Corallien inf.
2–9. *H. ——— granulosa*, Wright. Bathonien.



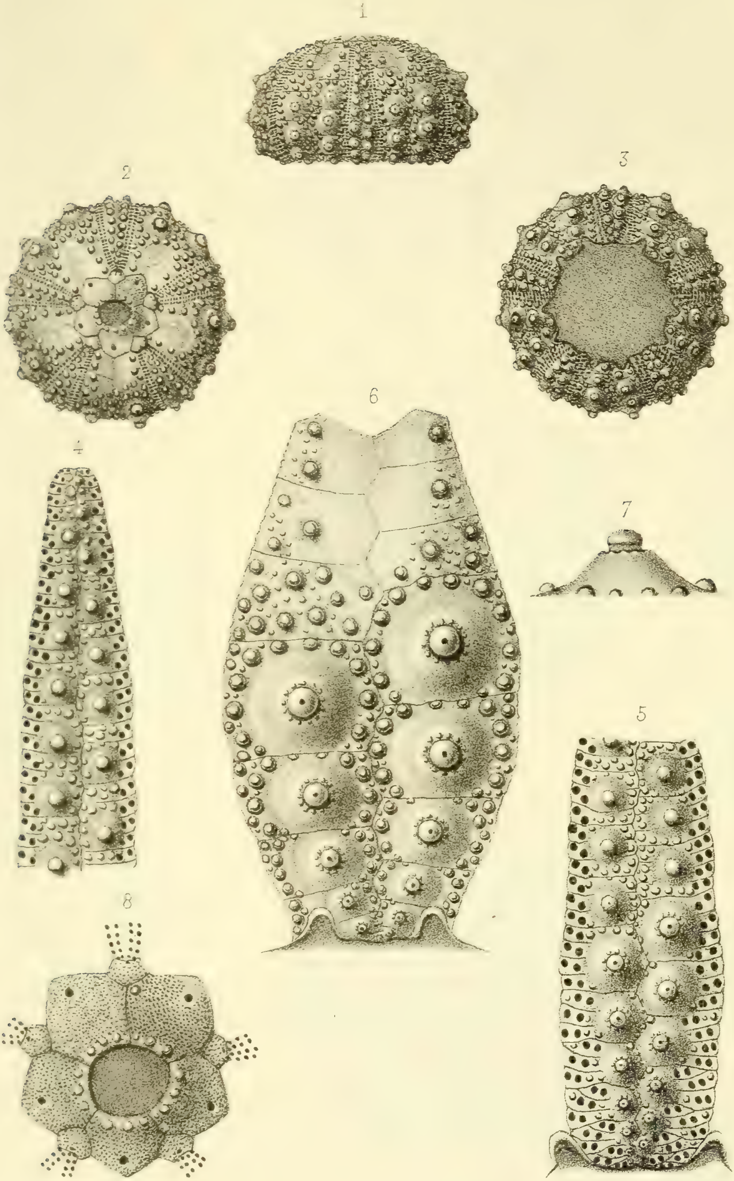
Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

1 – 6. *Hemipygus Matheyi, de Loriol. Corallien.*
7 – 12. *H. ———— tuberculosus, Cotteau. ————*
13 – 18. *H. ———— virgulinus, Etallon. Kimméridgien.*



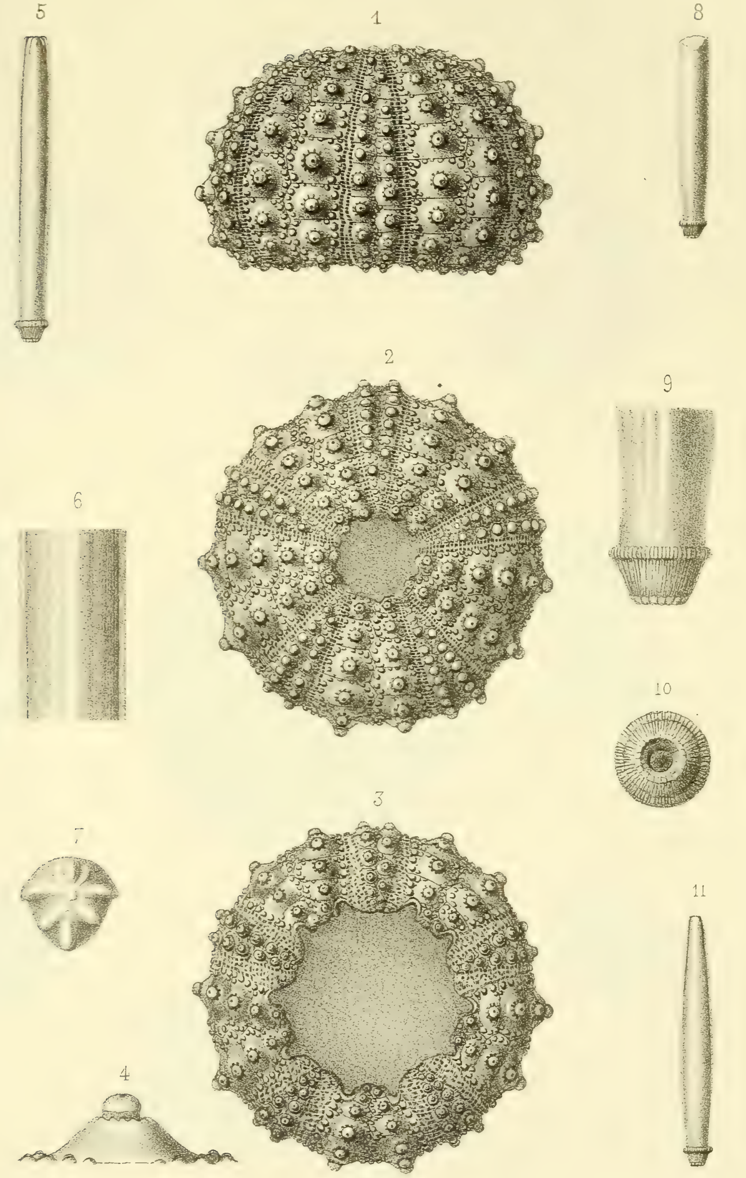
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Asterocidaris minor, *Cotteau*. *Bathonien*.



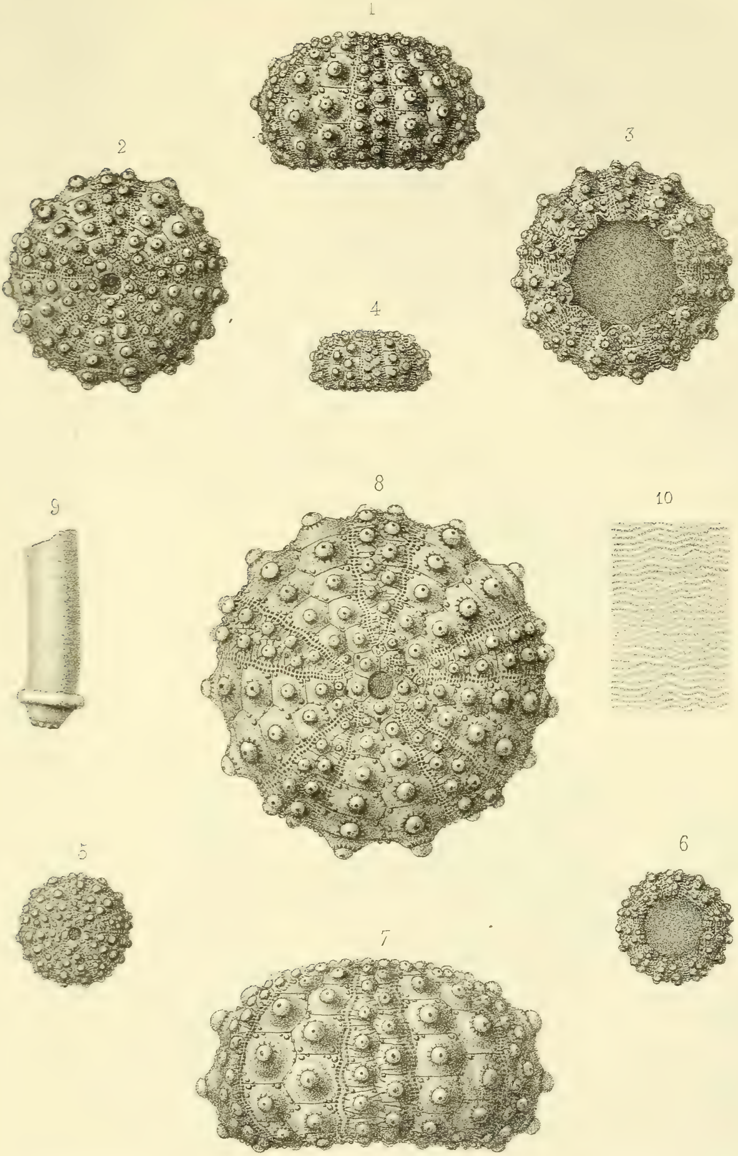
Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

Asterocidaris Nodoti, Cotteau. Corallien.



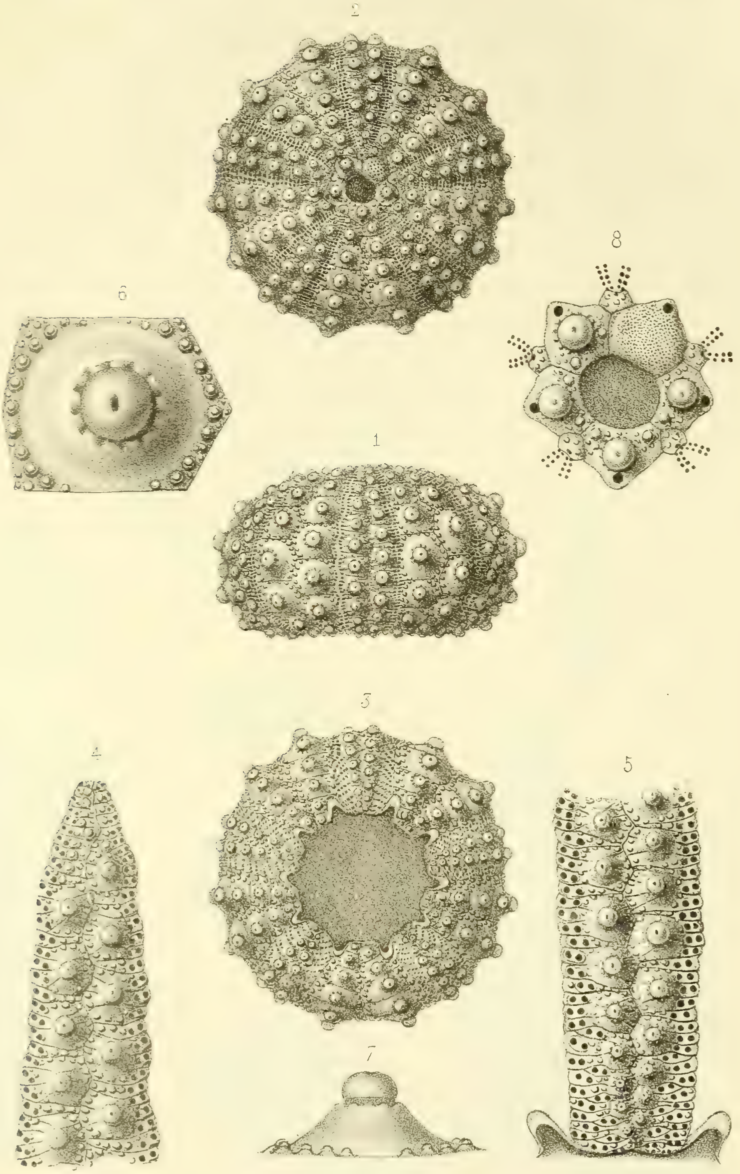
Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

Acrocidaris striata, Agassiz. Bathonien.



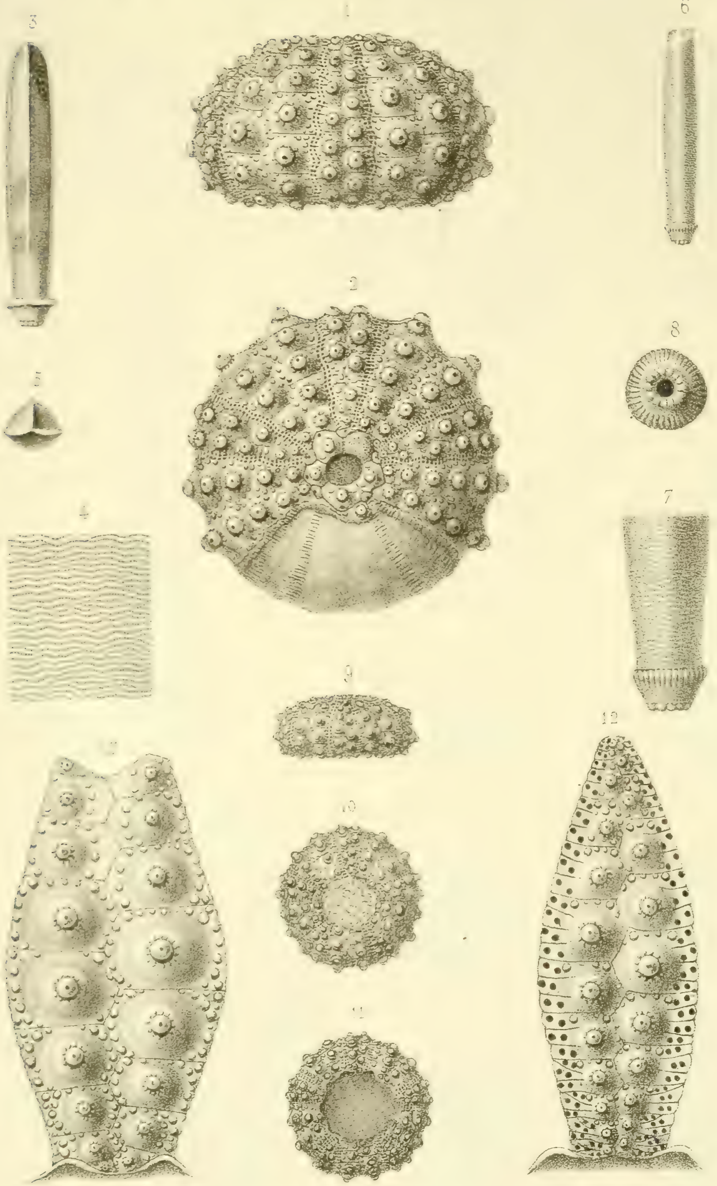
Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

Acrocidaris nobilis, Agassiz. Corallien.



Humbert lith. G. Masson Editeur. Imp. Becquet, Paris.

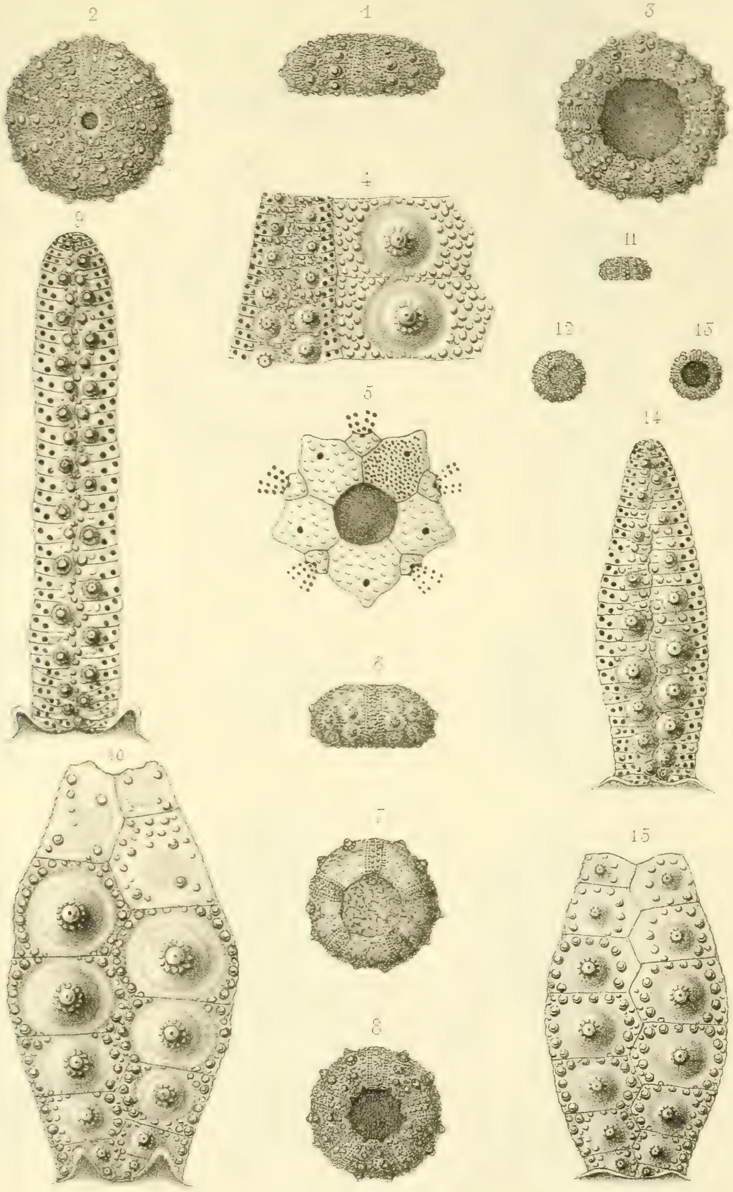
Acrocidaris nobilis, Agassiz. Corallien.



Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

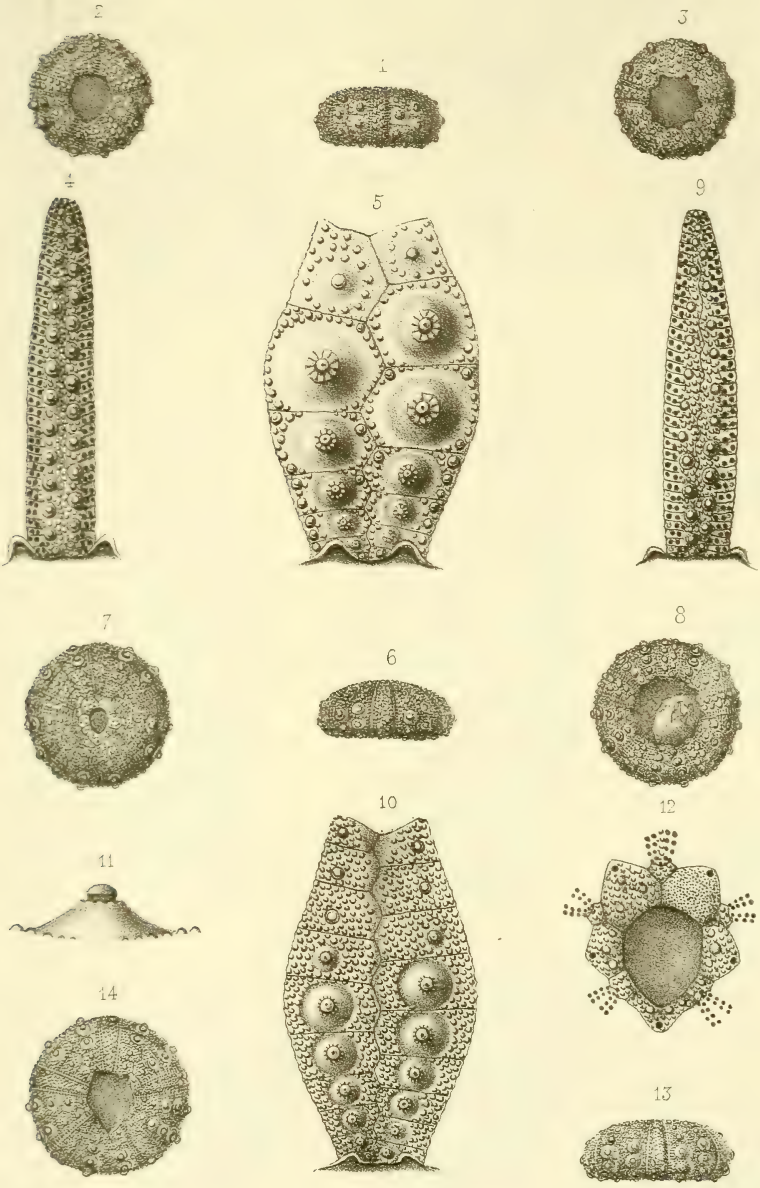
1 _ 8. *Acrocidaris nobilis, Agassiz. Corallien.*

9 _ 13. *A. ——— censoriensis, Cotteau. Corallien.*



Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

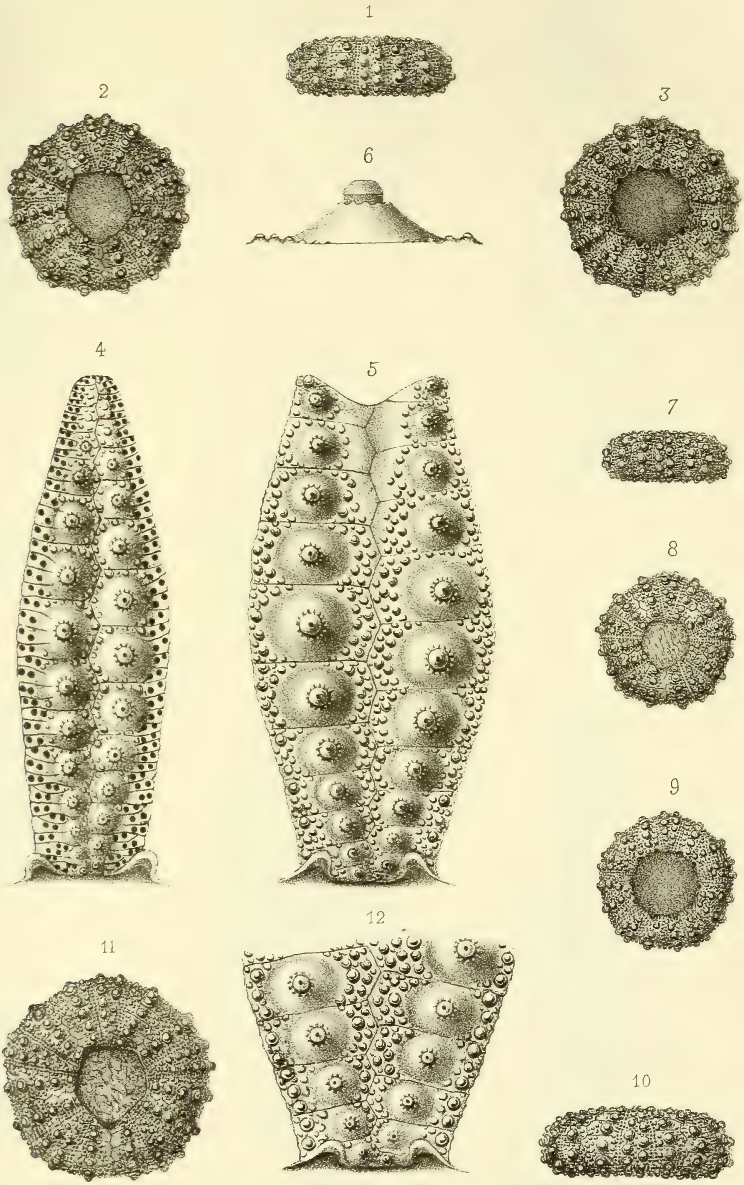
1 _ 5. Pseudodiadema prisciniacense, Cotteau. Liasien.
6 _ 10. P. ________ oarusense, ________ ________
11 _ 15. P. ________ Deslongchampsi, ________ toarcien.



Humbert lith. G. Masson. Editeur. *Imp. Becquet r. des Noyers, 37.*

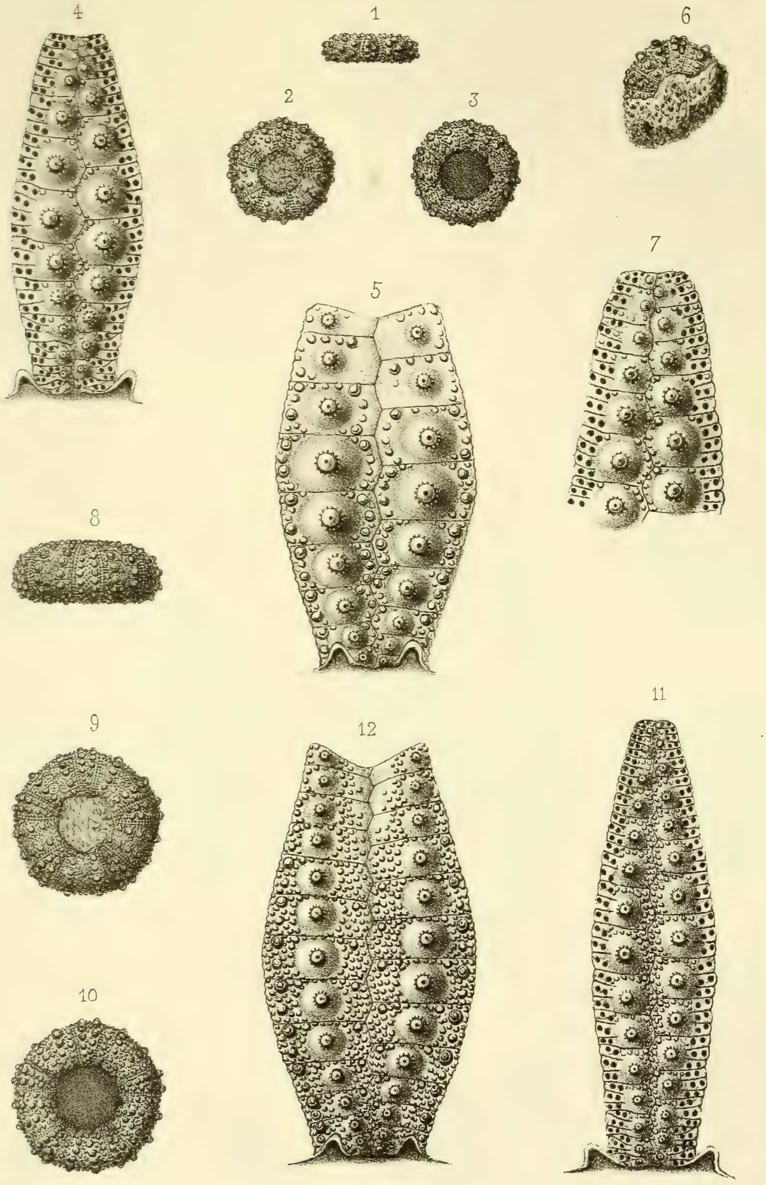
1_5. Pseudodiadema Dumortieri, Cotteau. Bajocien.

6_14. P.__________ Jauberti, _____ ______



Humbert lith. G. Masson, Editeur. *Imp. Becquet r. des Noyers, 37.*

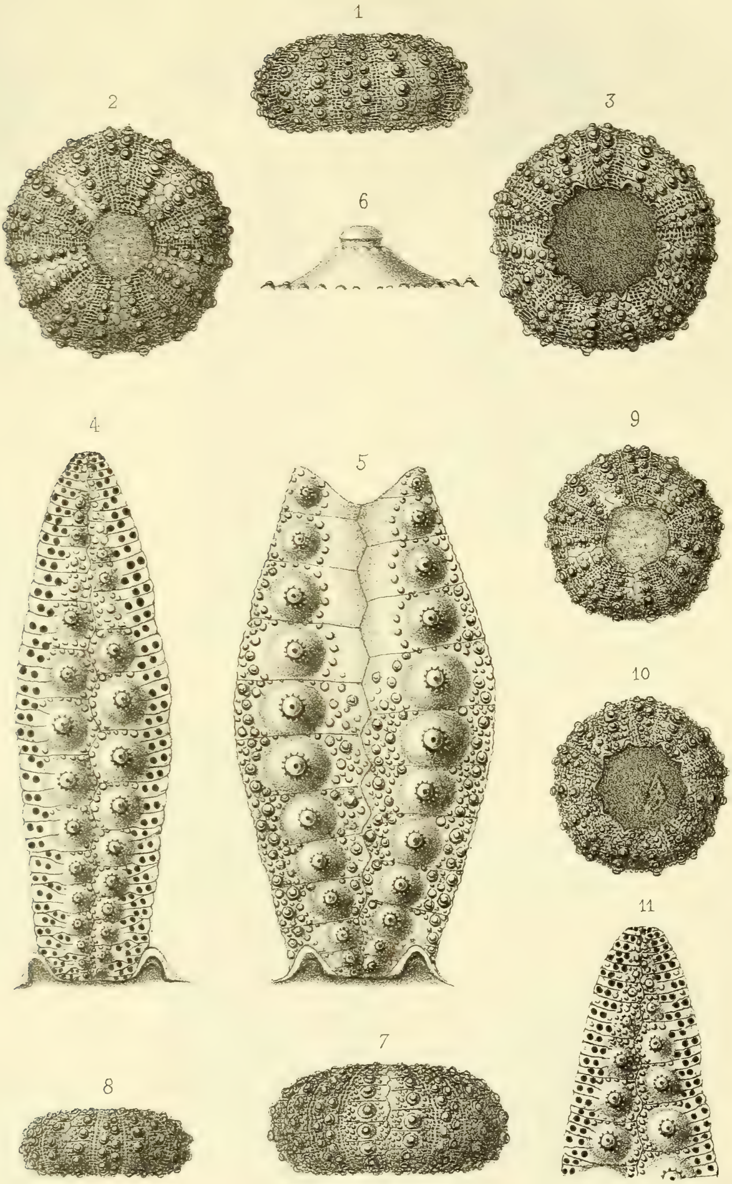
Pseudodiadema depressum (Agassiz), Desor. Bajocien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet r. des Noyers, 37.*

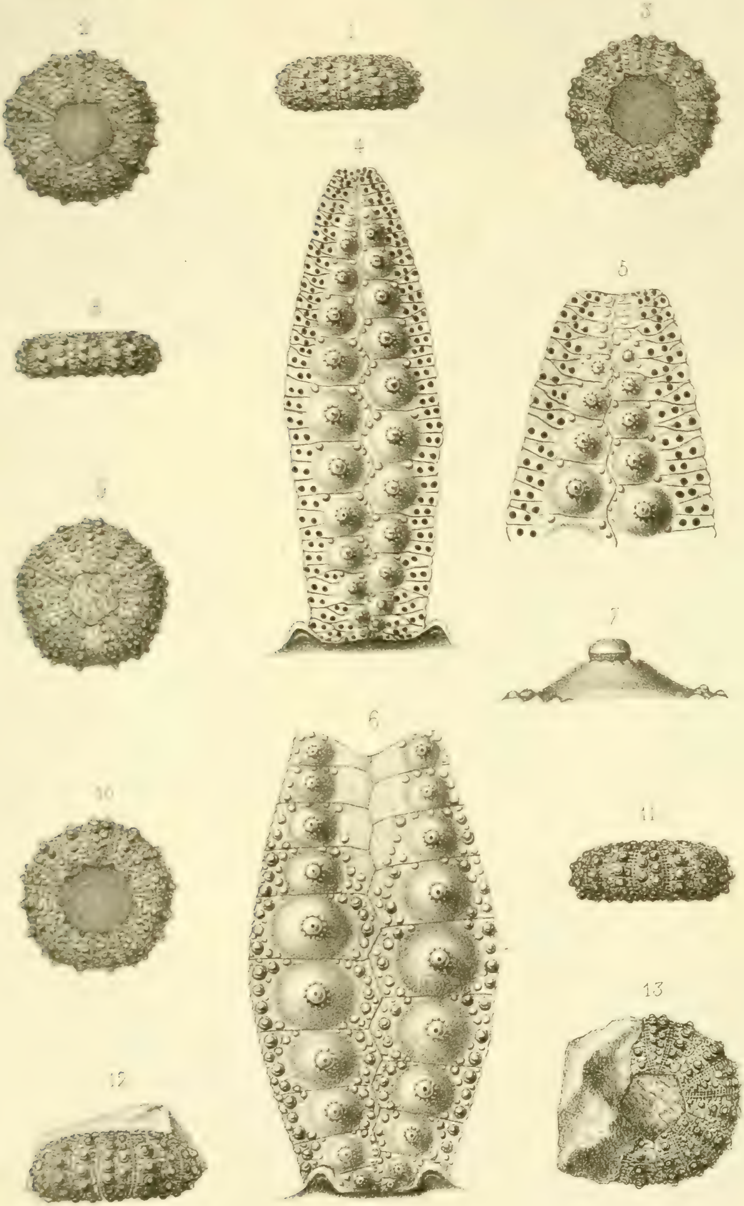
1 – 7. Pseudodiadema Schlumbergeri, Cotteau. Bajocien.

8 – 12. P. ———— rambertense, ——— ———



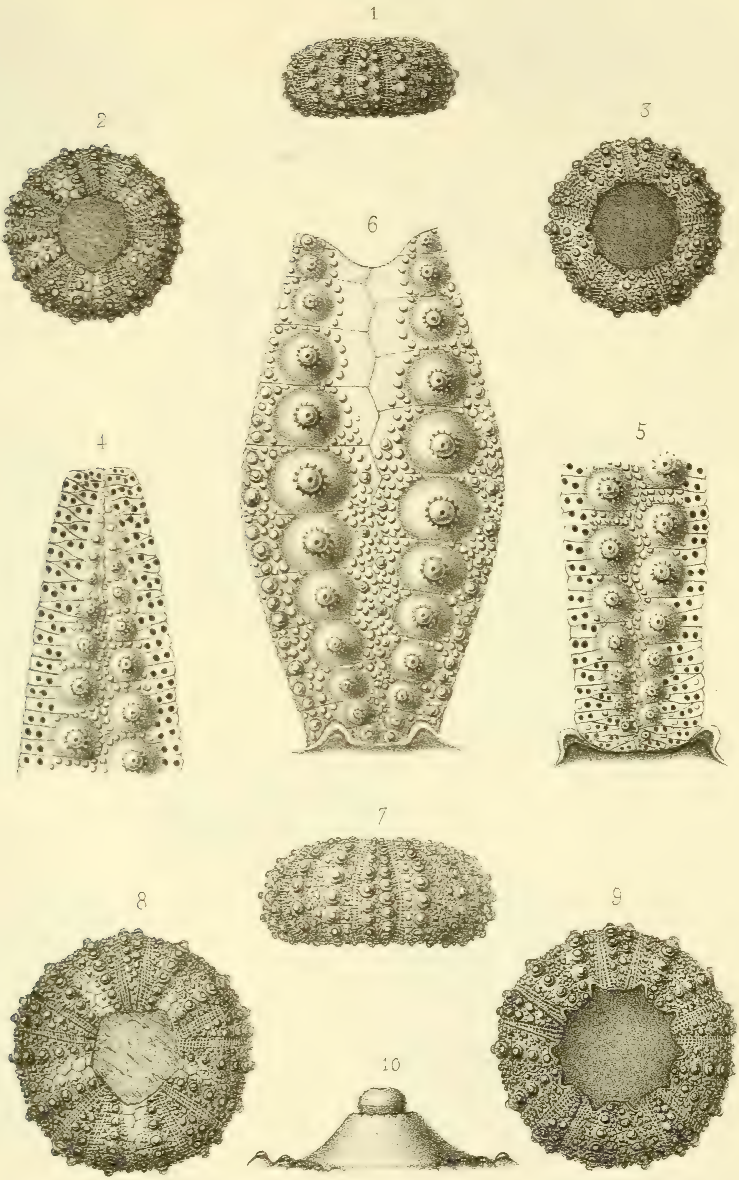
Humbert lith. G. Masson, Editeur. *Imp. Becquet r. des Noyers, 37.*

Pseudodiadema Jobæ (d'Orbigny), Cotteau. Bajocien.



Humbert lith. G. Masson, Editeur. Imp. Becquet r. des Noyers, 37.

Pseudodiadema pentagonum (M'Coy), Wright. Bajocien et bathonien.



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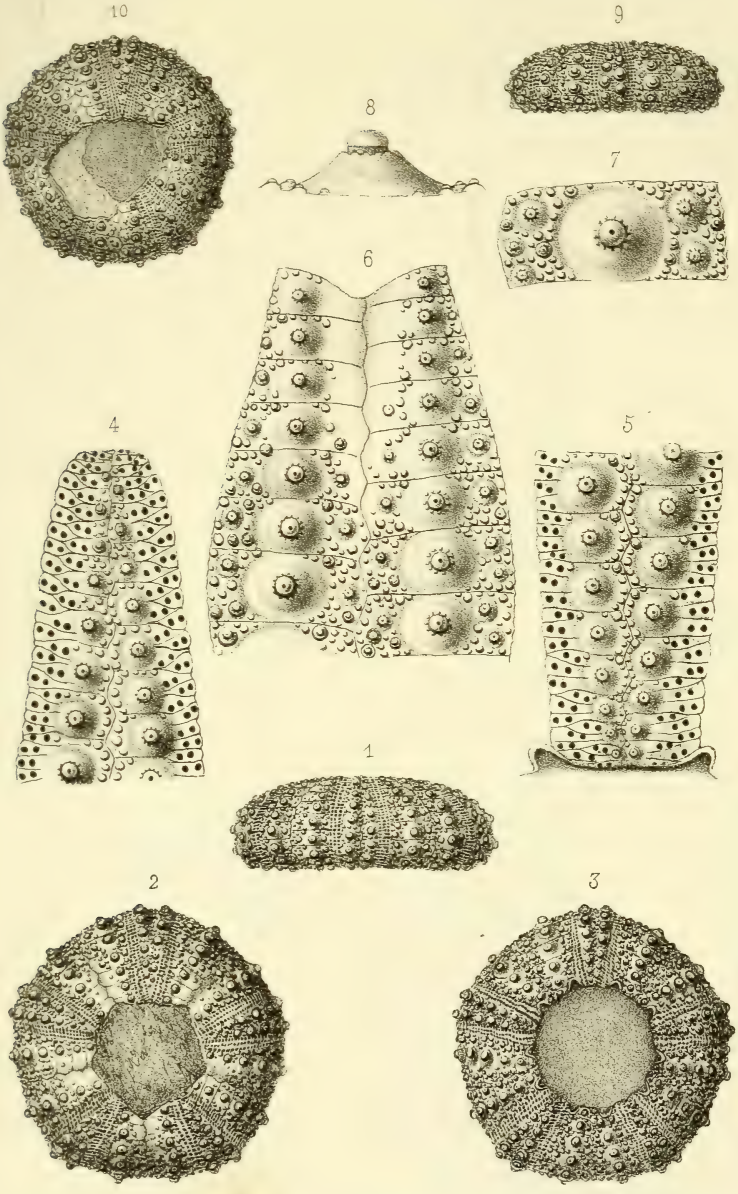
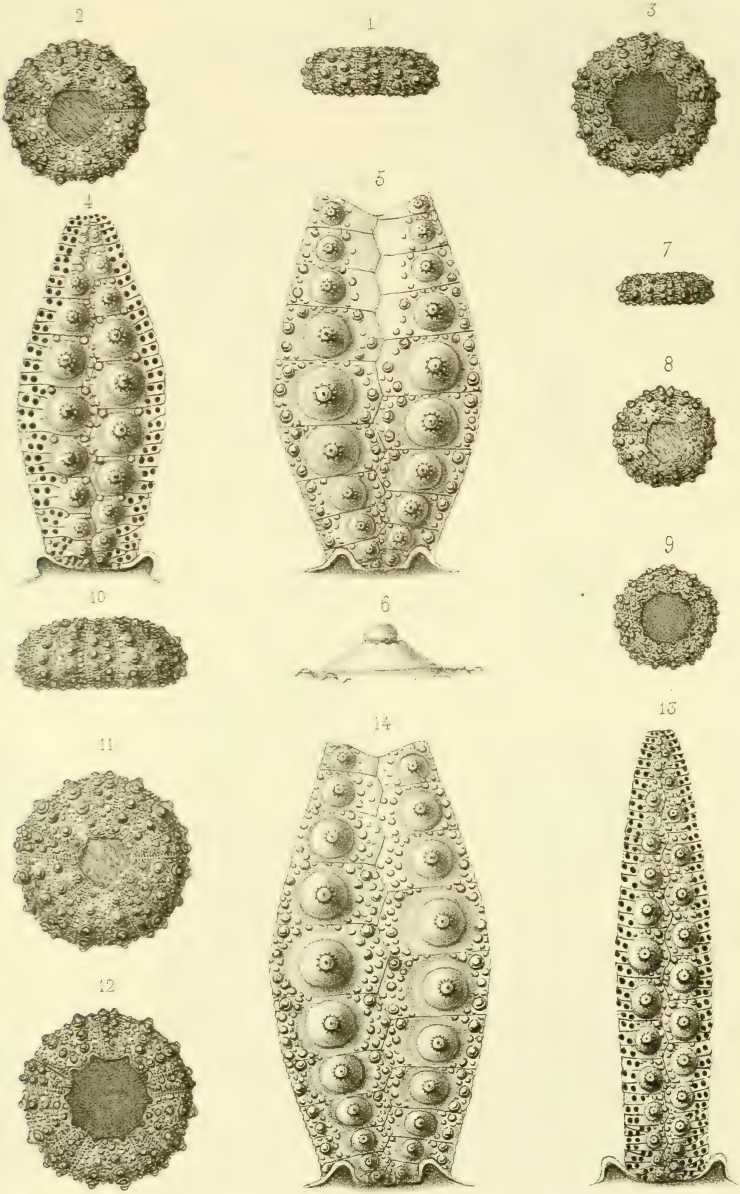
Pseudodiadema sulcatum (Agassiz), Cotteau Bathonien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet r. des Noyers, 37.*

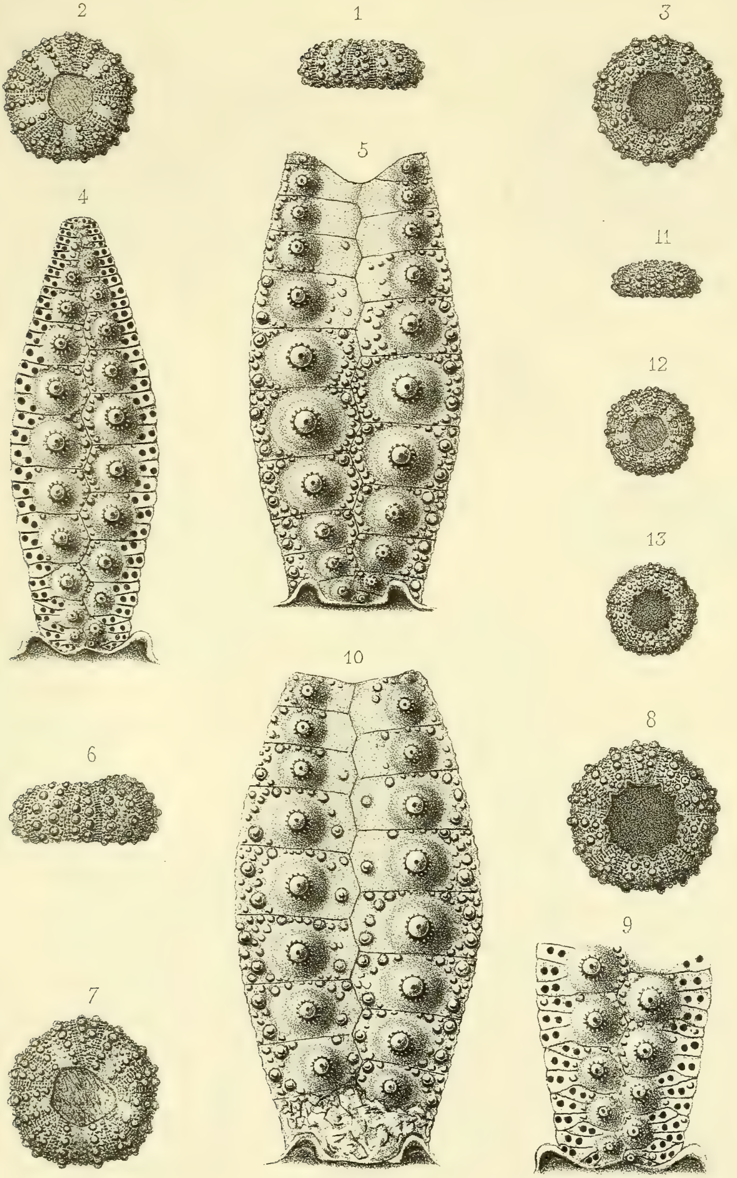
Pseudodiadema Morierei, Cotteau. bathonien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet r. des Noyers, 37.*

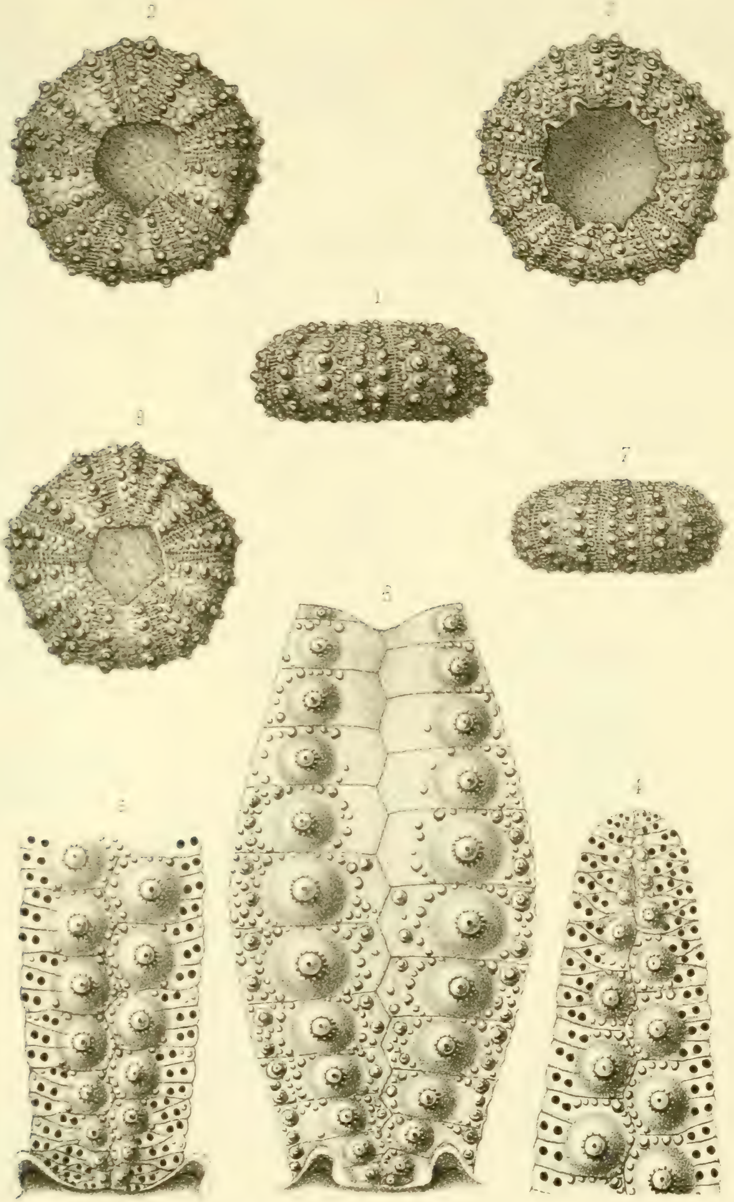
1_9. *Pseudodiadema subcomplanatum (d'Orbigny), Descr. Bathonien.*

10_14. *P. ———— Peroni, Cotteau.* ———— ——— ————.



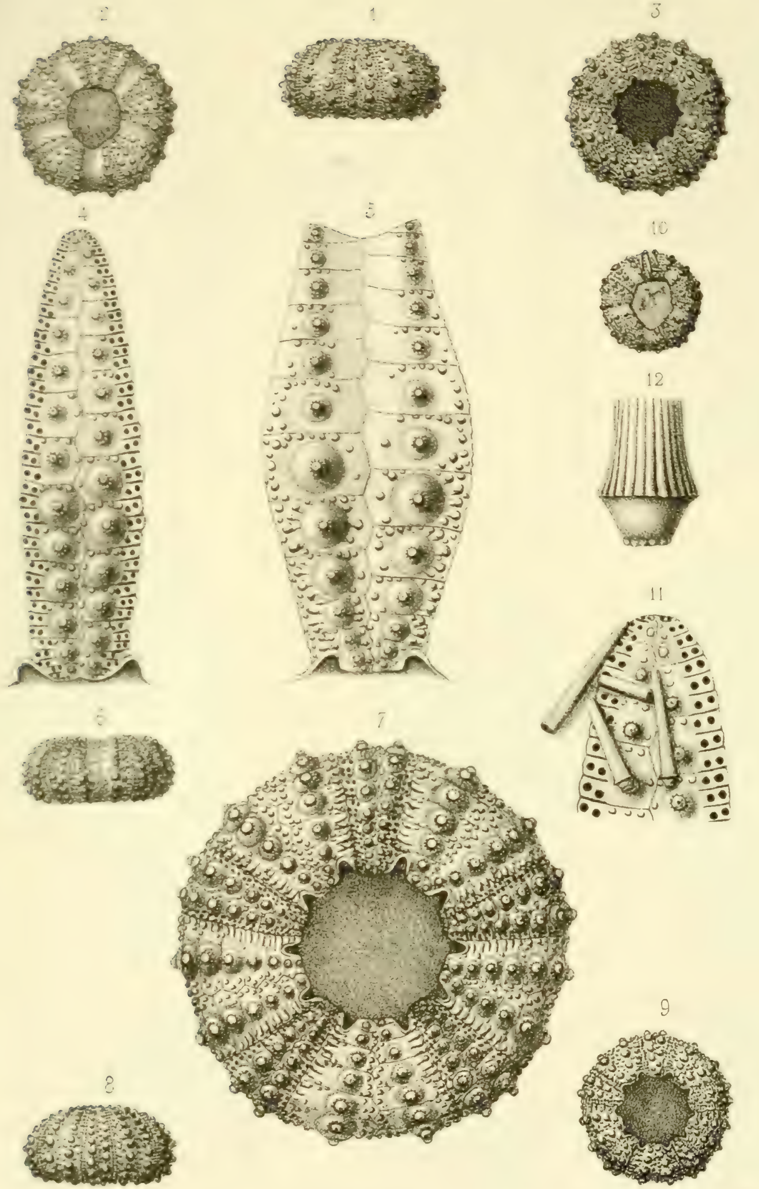
Humbert lith. G. Masson, Editeur. *Imp. Becquet r. des Noyers, 37.*

Pseudodiadema Wrighti, Cotteau. Bathonien.



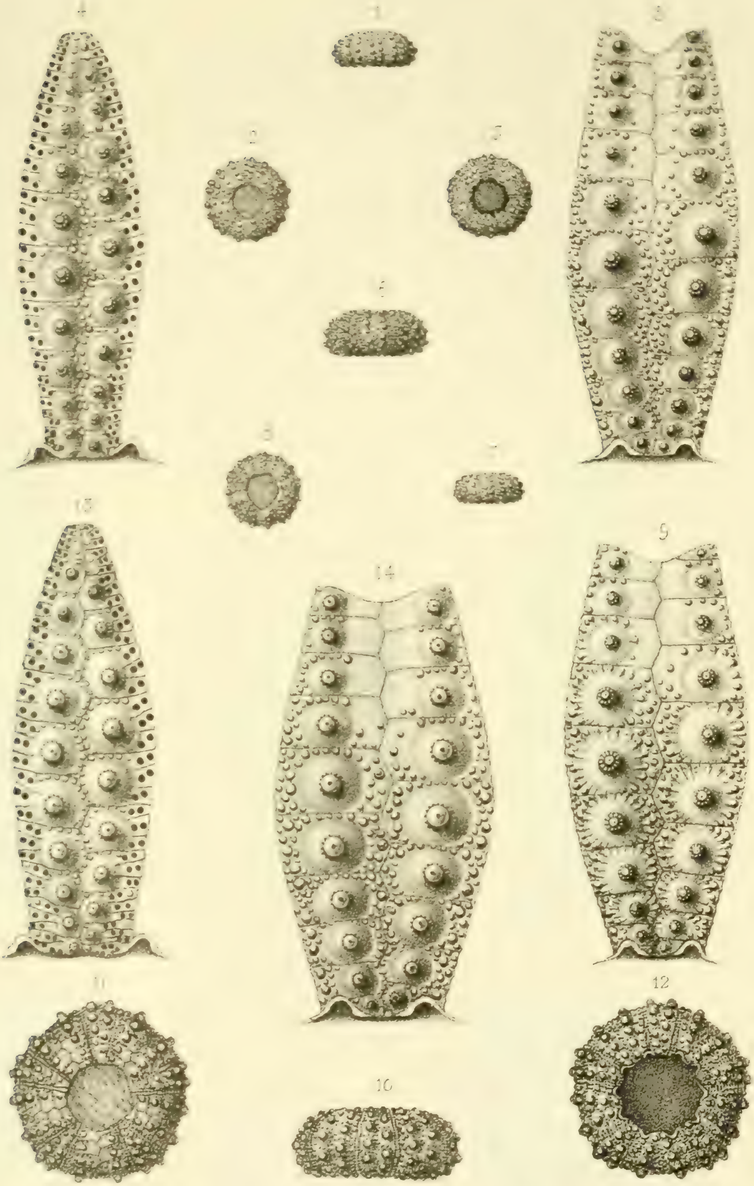
Humbert lith. G. Masson, Editeur. *Imp. Becquet r. des Noyers, 37.*

Pseudodiadema calloviense (d'Orbigny), Cotteau. Callovien.



Humbert lith. G. Masson Editeur. Imp. Becquet r. des Noyers, 37.

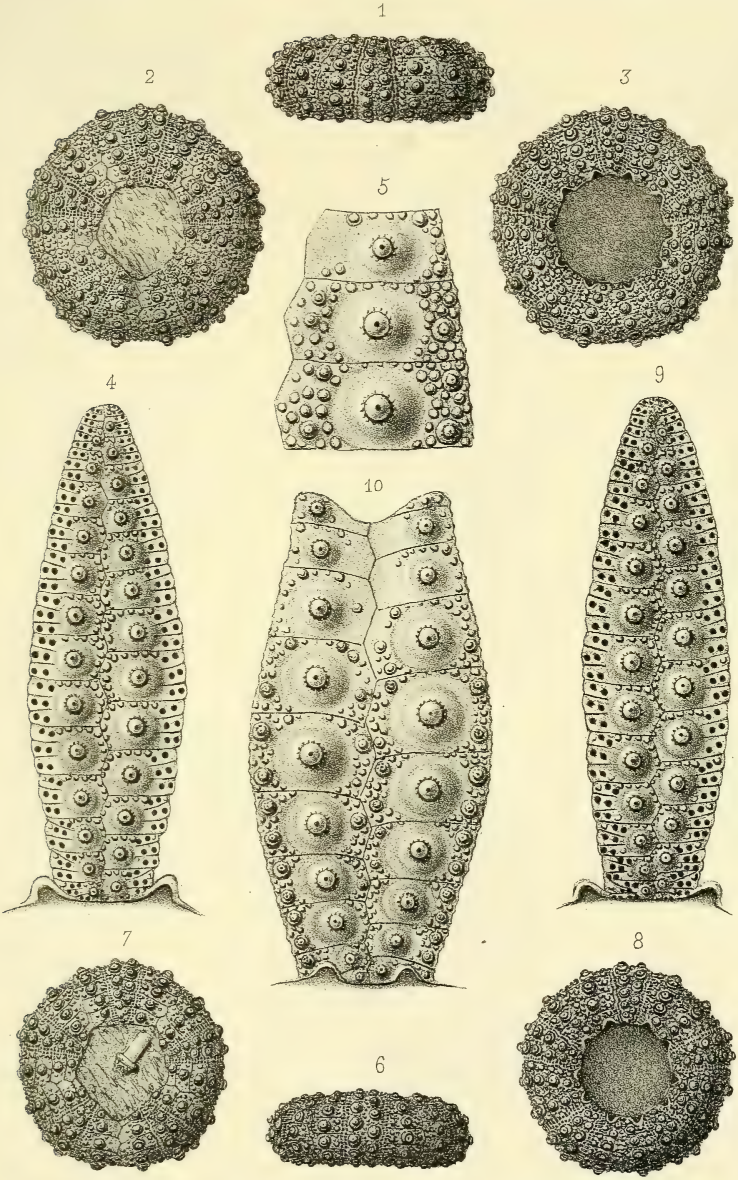
Pseudodiadema inæquale (Agassiz), Desor. Oxfordien.



Humbert lith. G Masson, Editeur. Imp. Becquet r. des Noyers 37.

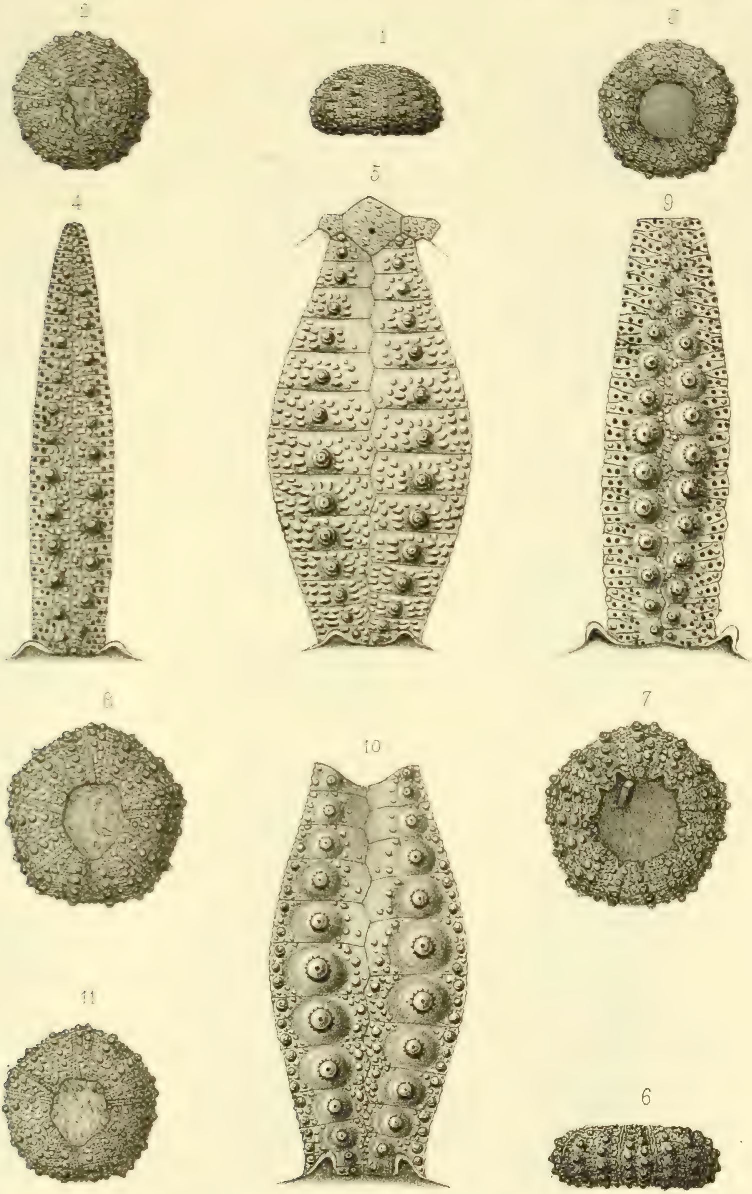
1 _ 9. *Pseudodiadema superbum* (*Agassiz*), *Desor. Oxfordien.*

10 _ 14. *P.* ——— *priscum*, ——— ——— ———



Humbert lith. G. Masson, Editeur. *Imp. Becquet r. des Noyers, 37.*

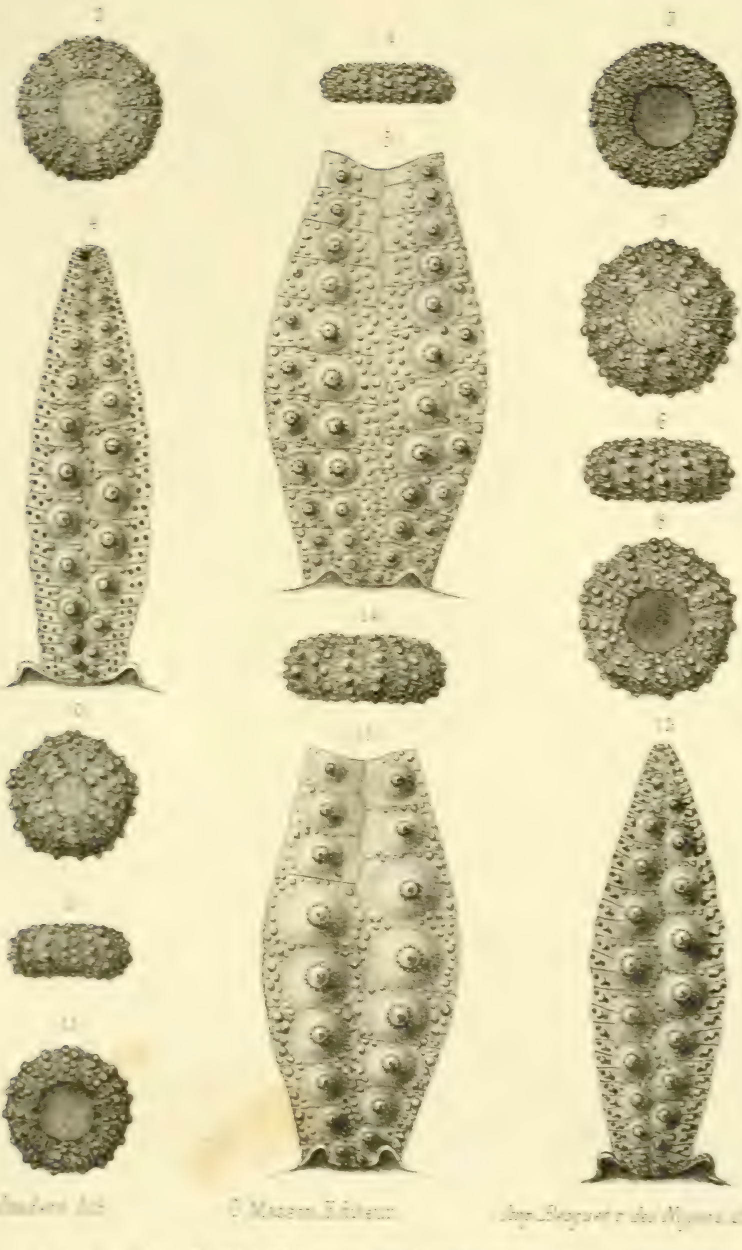
Pseudodiadema priscum (Agassiz), Desor. Oxfordien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet r. des Noyers, 37.*

1 _ 5. *Pseudodiadema cayluxense*, Cotteau.

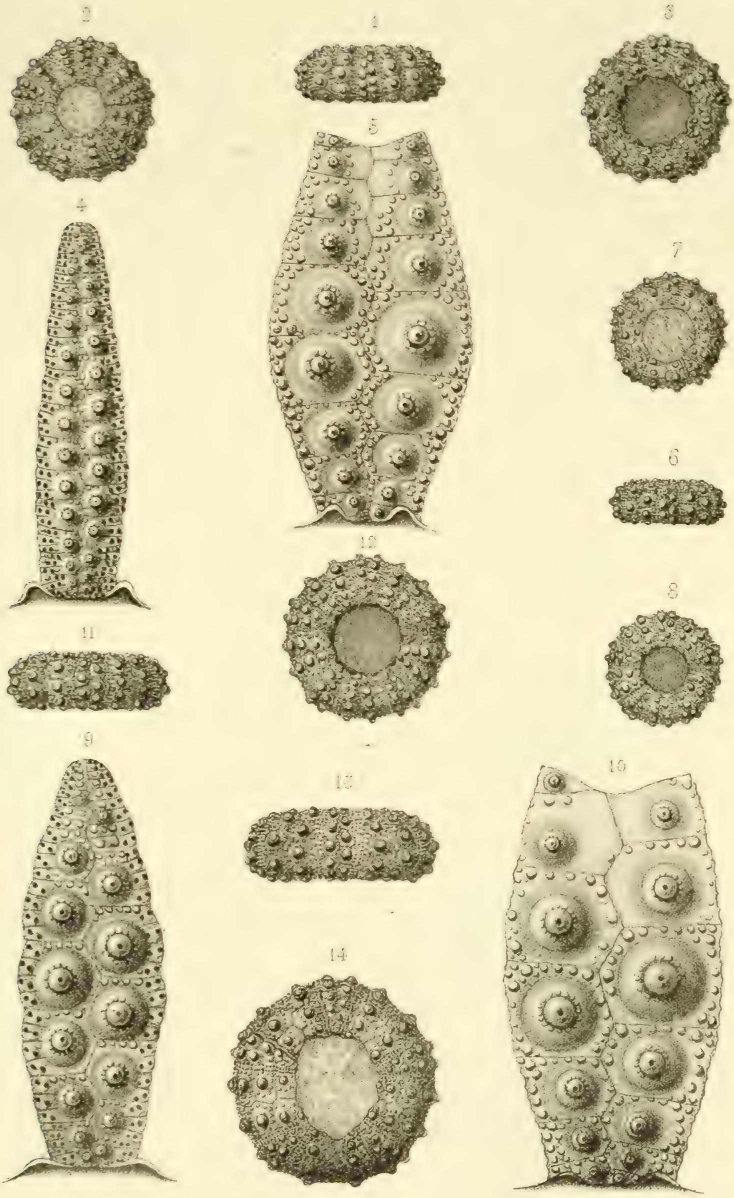
6 _ 11. *P.* ———————— *marollense*, ——— *Oxfordien*.



Humbert lith. — G. Masson Éditeur — Imp. Becquet r. des Noyers 37

1–5. *Pseudodiadema duplicatum*, Cotteau. Oxfordien

6–14. *P. ——————— læviculle*, Desor. Oxfordien sup.

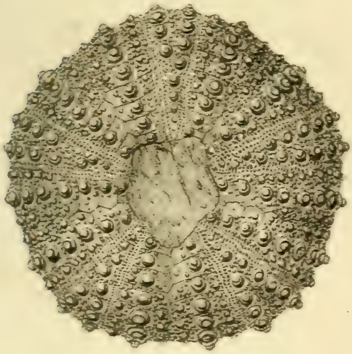


Humbert lith. — G. Masson, Editeur. — Imp. Becquet r. des Noyers, 37.

1 _ 5. Pseudodiadema Beaudouini, Cotteau. Oxfordien sup.

6 _ 14. P. ———— Langi, Desor. ————

2



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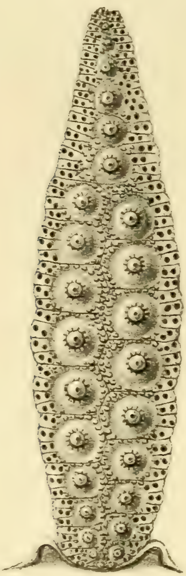

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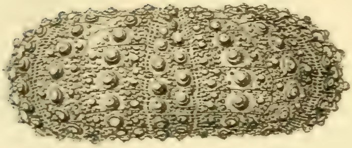
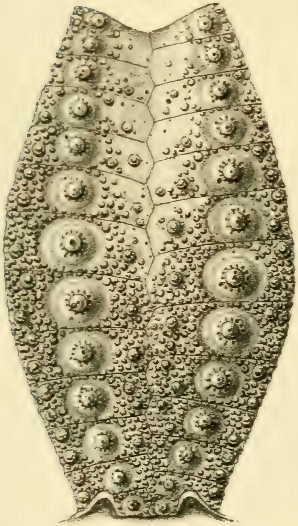


4



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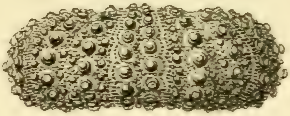
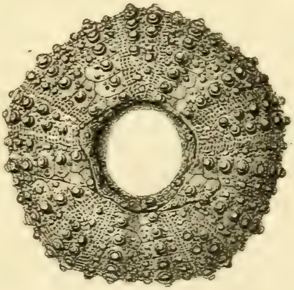


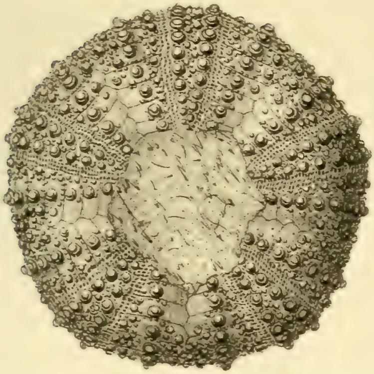
6



Humbert lith. G. Masson, Editeur. *Imp. Becquet r. des Noyers, 37.*

Pseudodiadema bipunctatum, Desor. Oxfordien sup.

2



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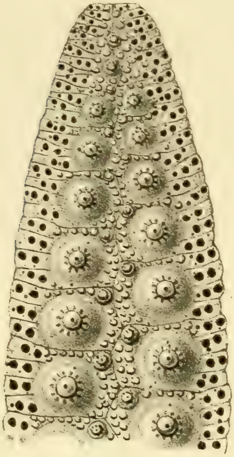

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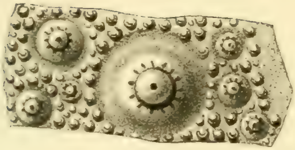
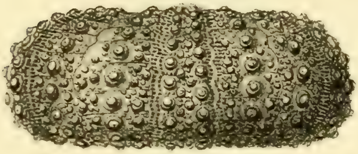


1



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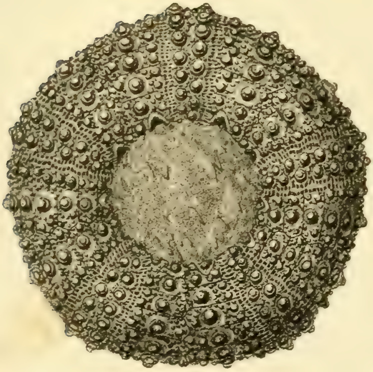

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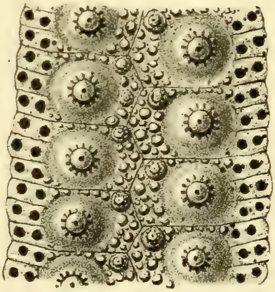
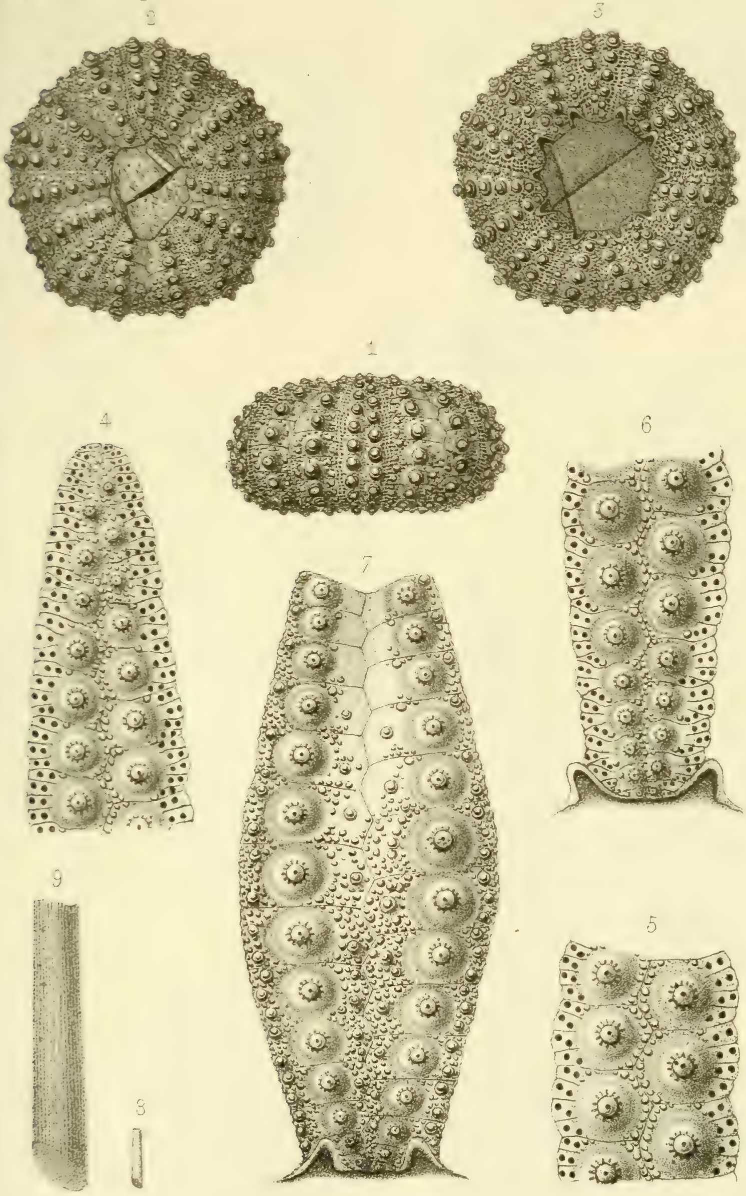


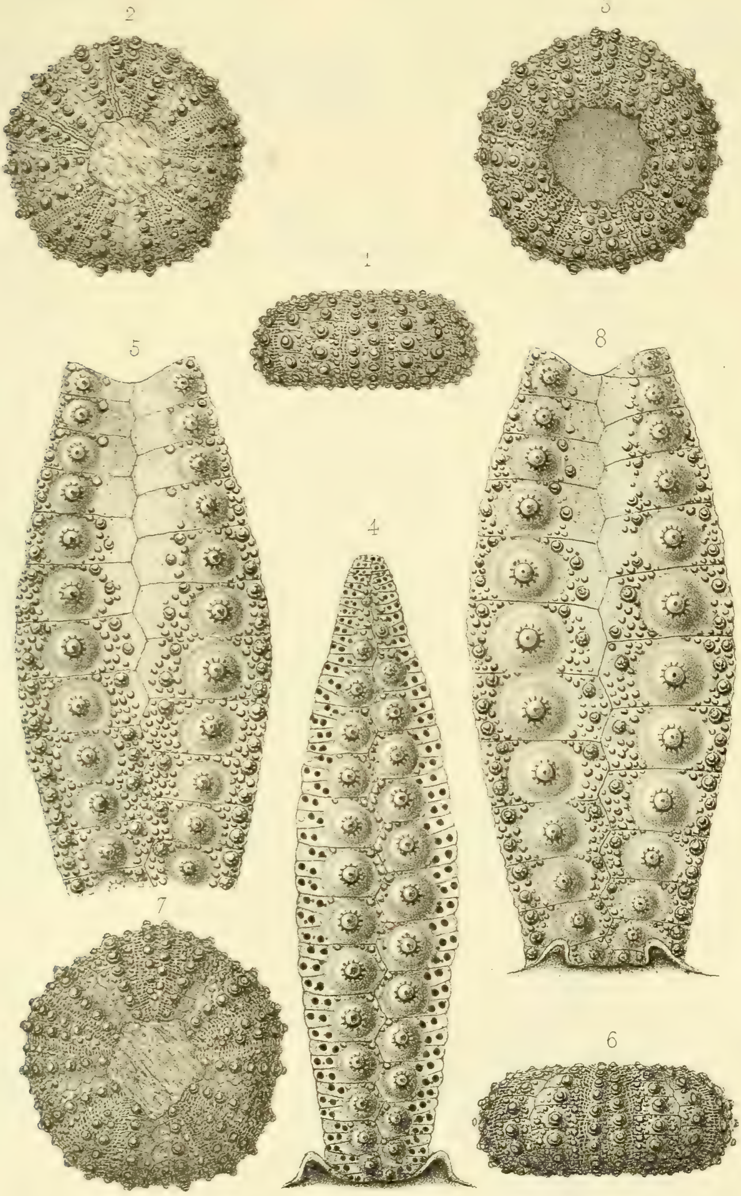
Humbert lith. G. Masson, Editeur. *Imp. Becquet r. des Noyers, 37.*

Pseudodiadema bipunctatum, Desor. Oxfordien sup.



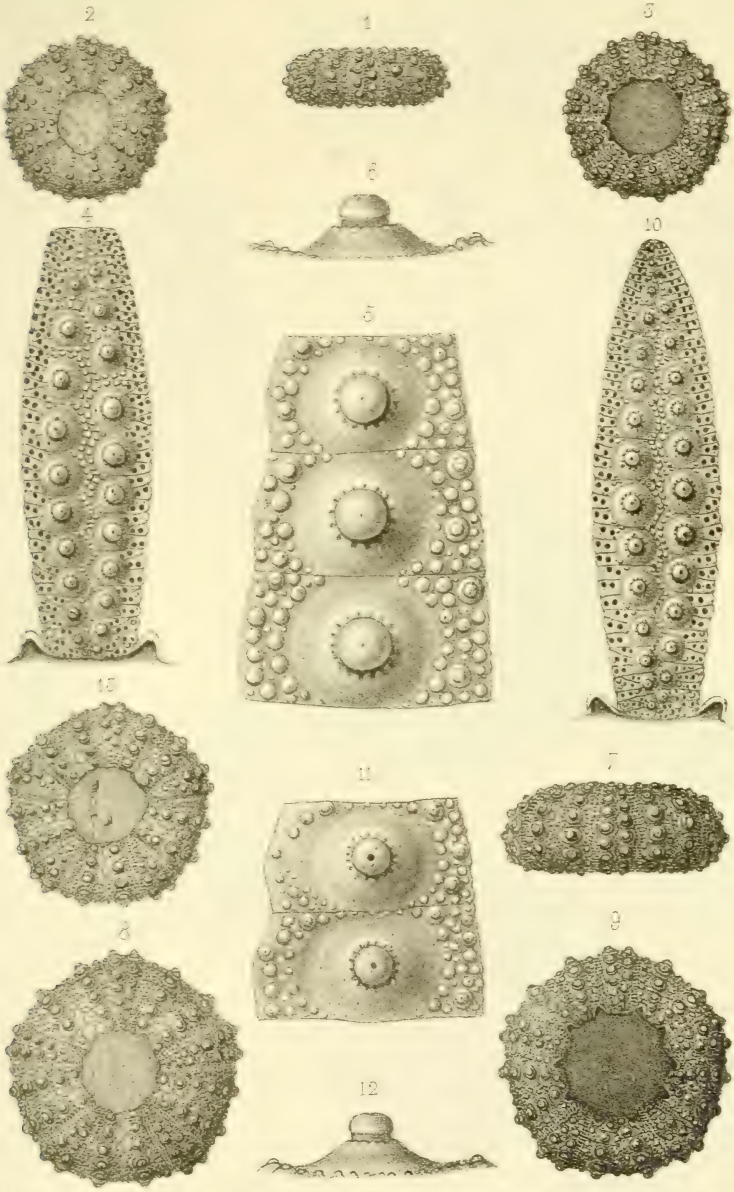
Humbert lith. G. Masson. Editeur. Imp. Becquet r. des Noyers 37.

Pseudodiadema æquale, Desor. Oxfordien.



Humbert lith.   G. Masson, Editeur.   Imp. Becquet r. des Noyers, 37

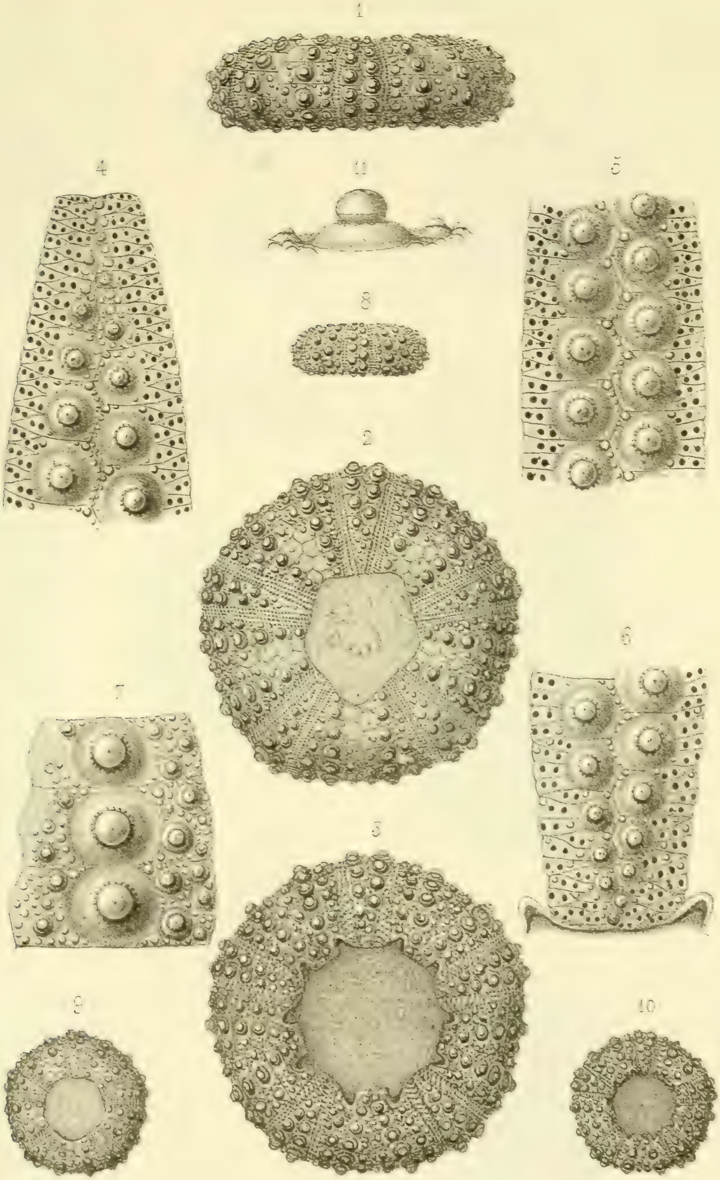
Pseudodiadema æquale, Desor. Oxfordien et corallien.



Humbert lith. G. Masson, Editeur. Imp. Becquet r. des Noyers 37

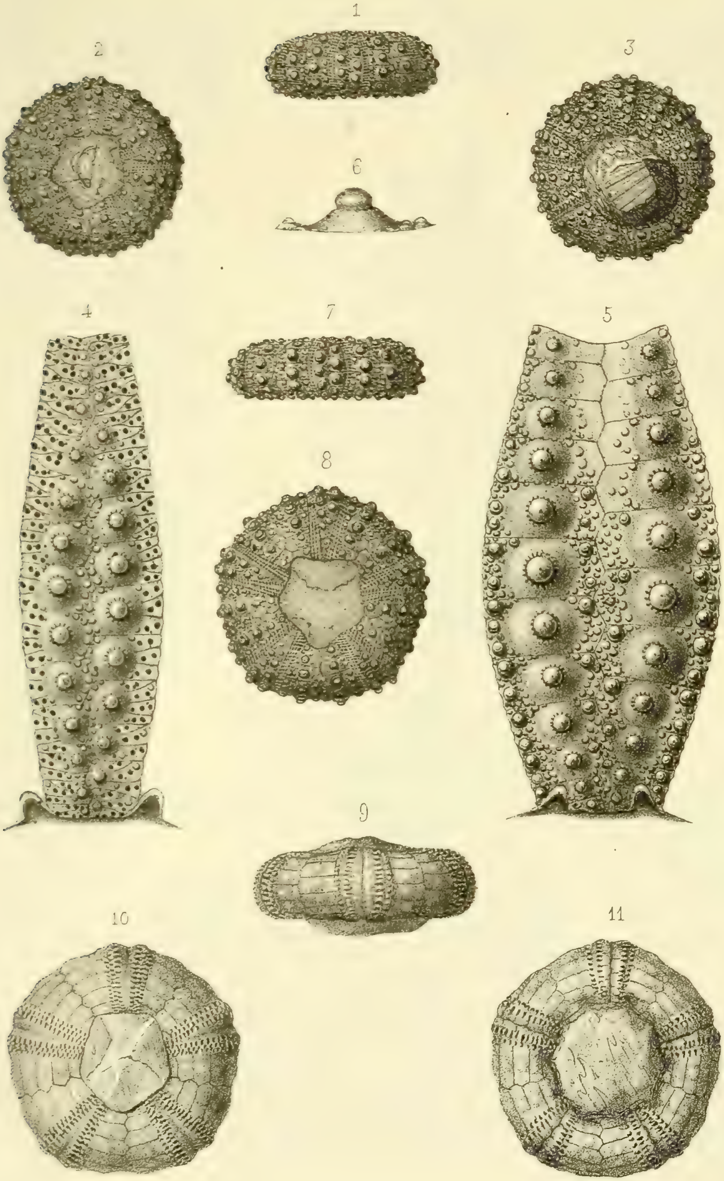
1_6. Pseudodiadema arduennense, Cotteau. Corallien.

7_13. P. ______ drogiacum, ______ ______



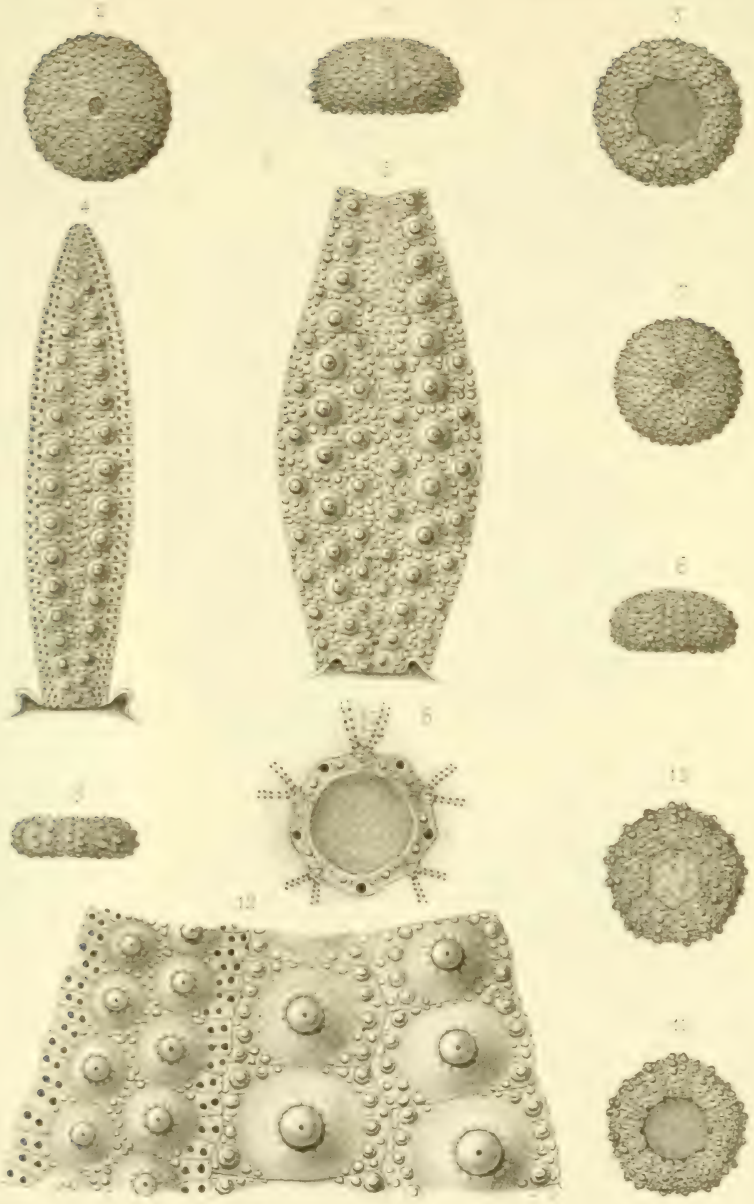
Humbert lith. G. Masson Editeur Imp. Becquet r. des Noyers 37

Pseudodiadema aroviense, Desor. Corallien.



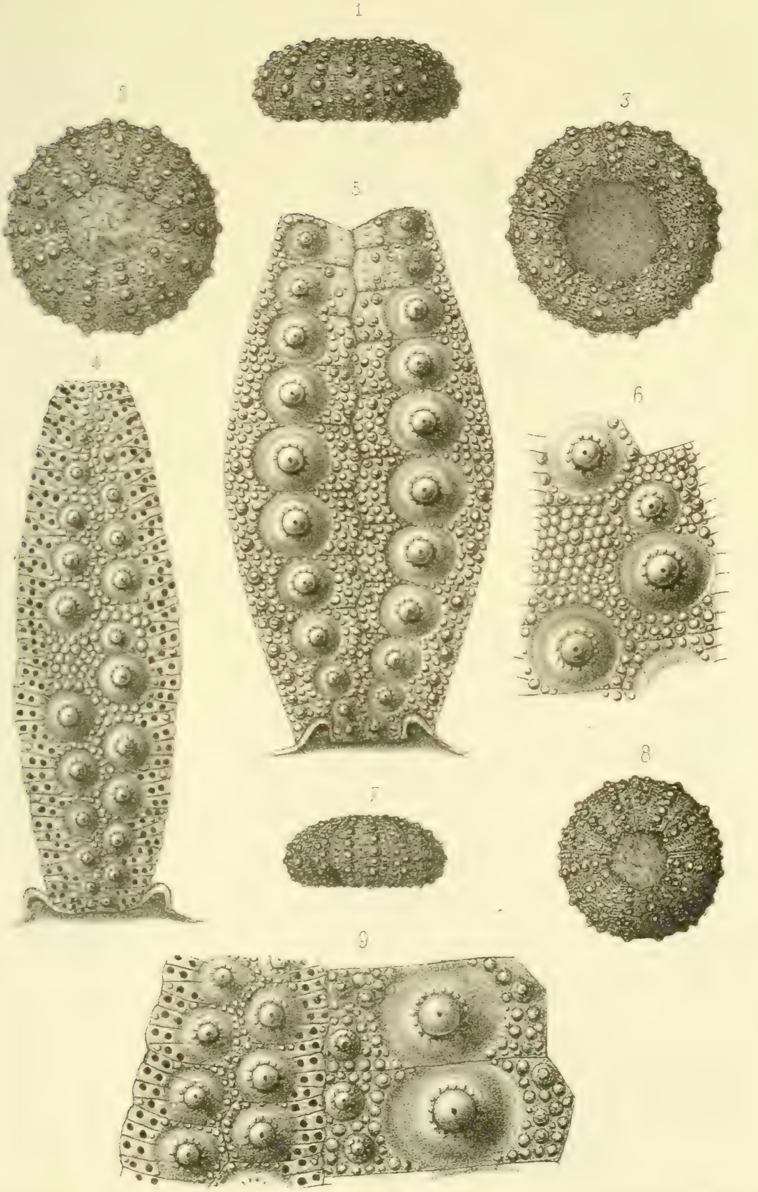
Humbert lith. G. Masson, Editeur. *Imp. Becquet r. des Noyers, 37.*

Pseudodiadema aroviense (Thurmann), Desor. Corallien.



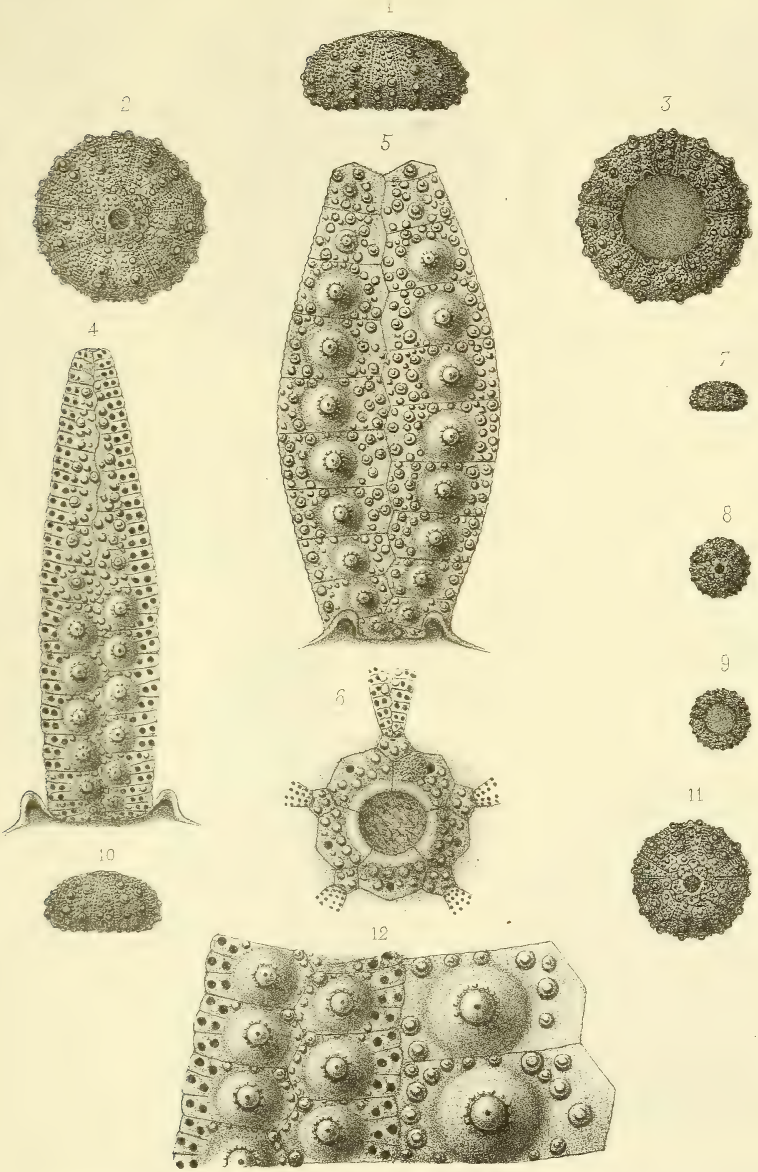
Humbert lith. G. Masson Editeur Imp. Becquet r. des Noyers 37.

1-8 Pseudodiadema tetragramma (Agassiz), Desor. Corallien inf.
9-12 P. ——— Matheyi, de Loriol. ——— ———



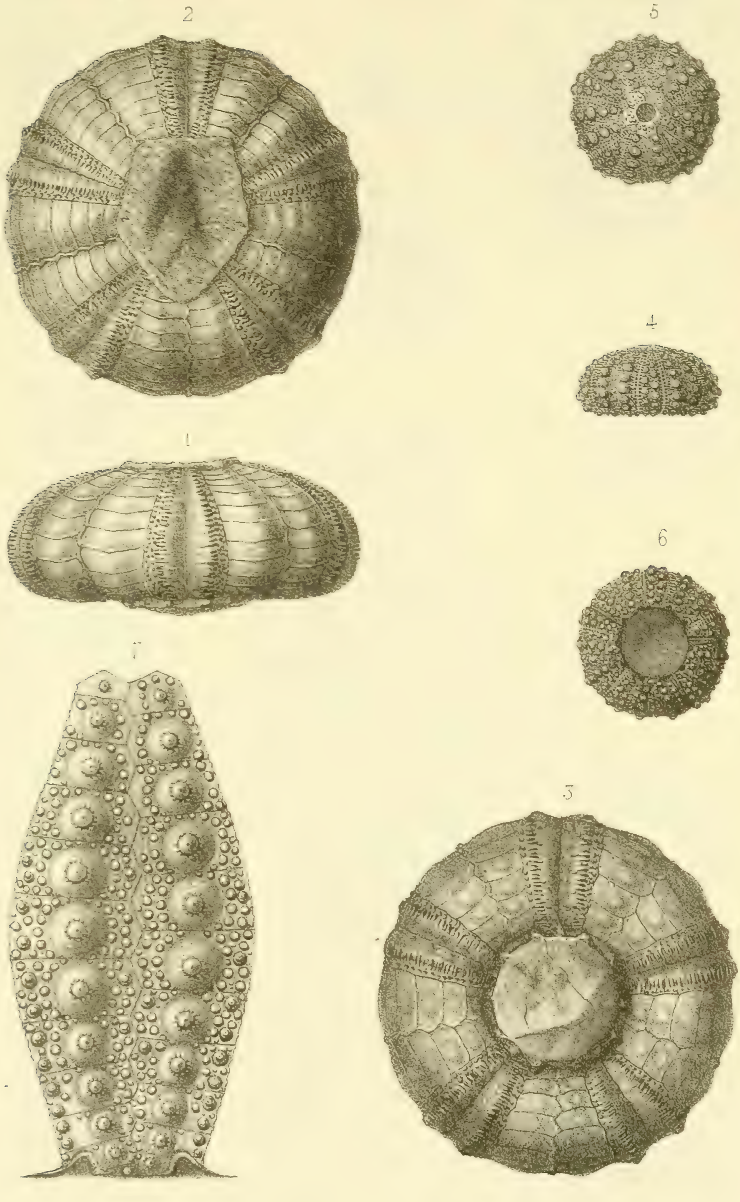
lith. Masson Editeur. Imp Becquet. Paris.

Pseudodiadema distinctum (Agassiz), Cotteau. Corallien.



Humbert Lith. G. Masson, Editeur. Imp. Becquet, Paris

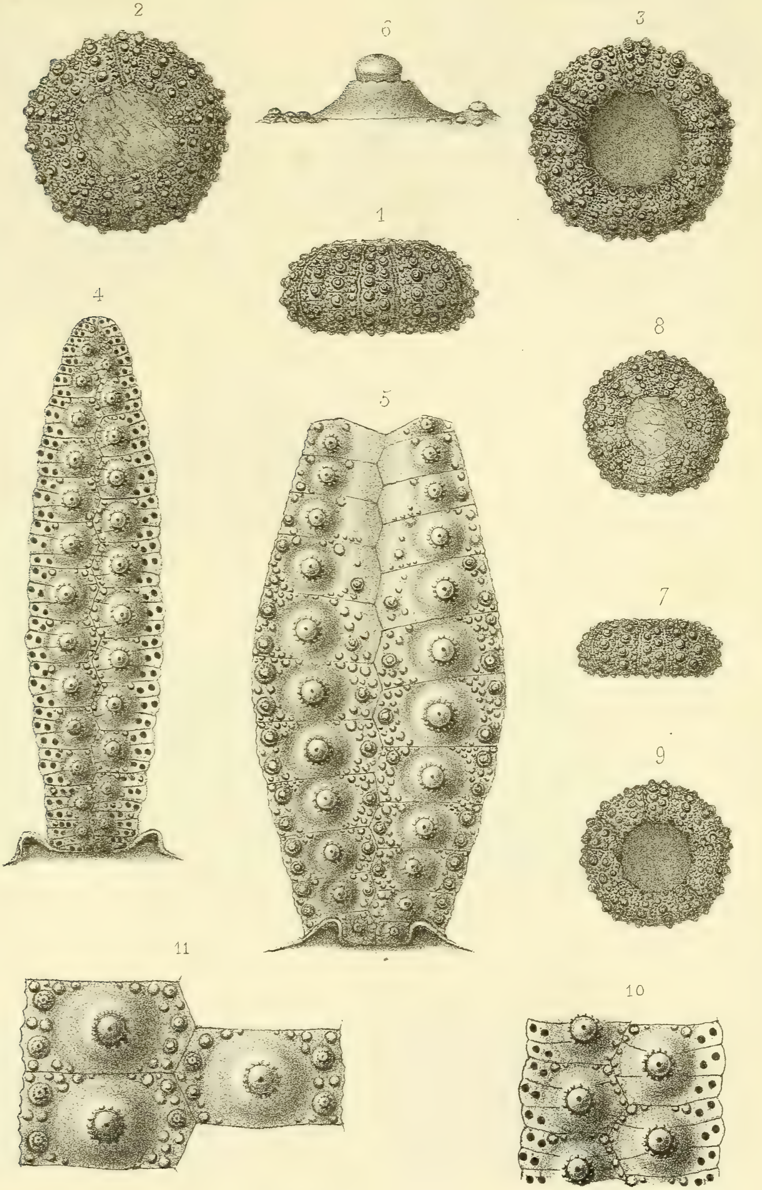
Pseudodiadema florescens (Agassiz), de Loriol. Corallien inf. et sup.



Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

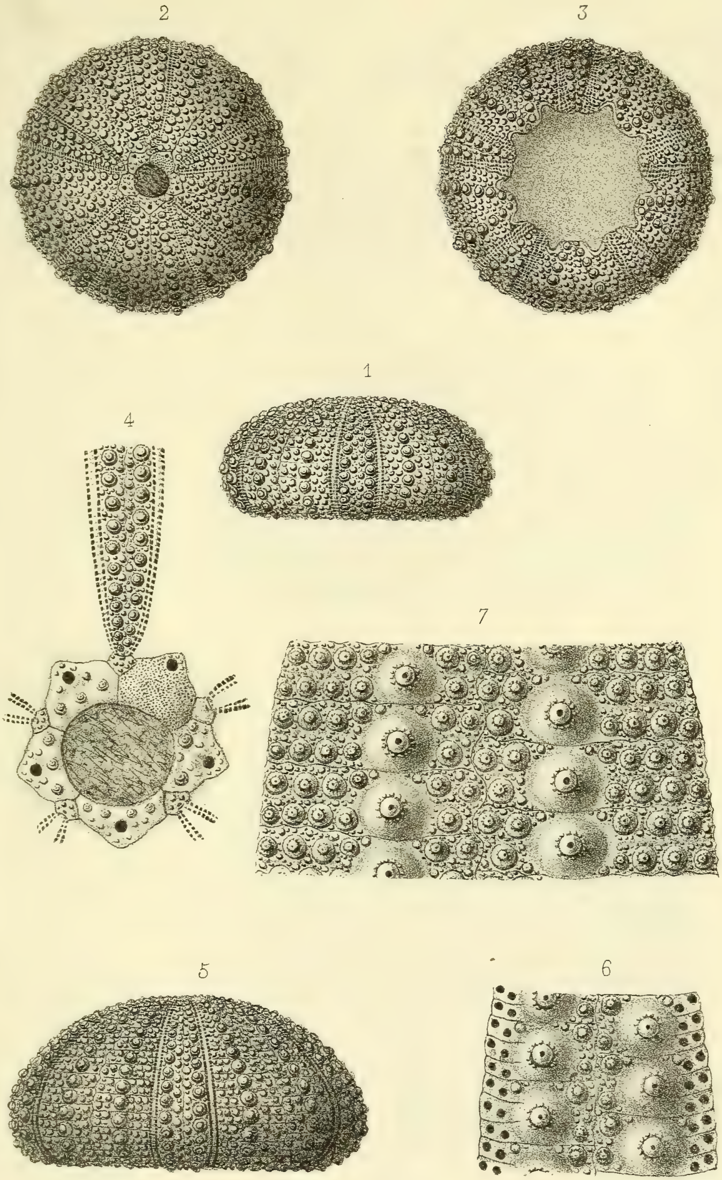
1_3. *Pseudodiadema Courtauti*, Cotteau. Corallien inf.

4_7. *P.* _______ *florescens* (Agassiz), de Loriol.



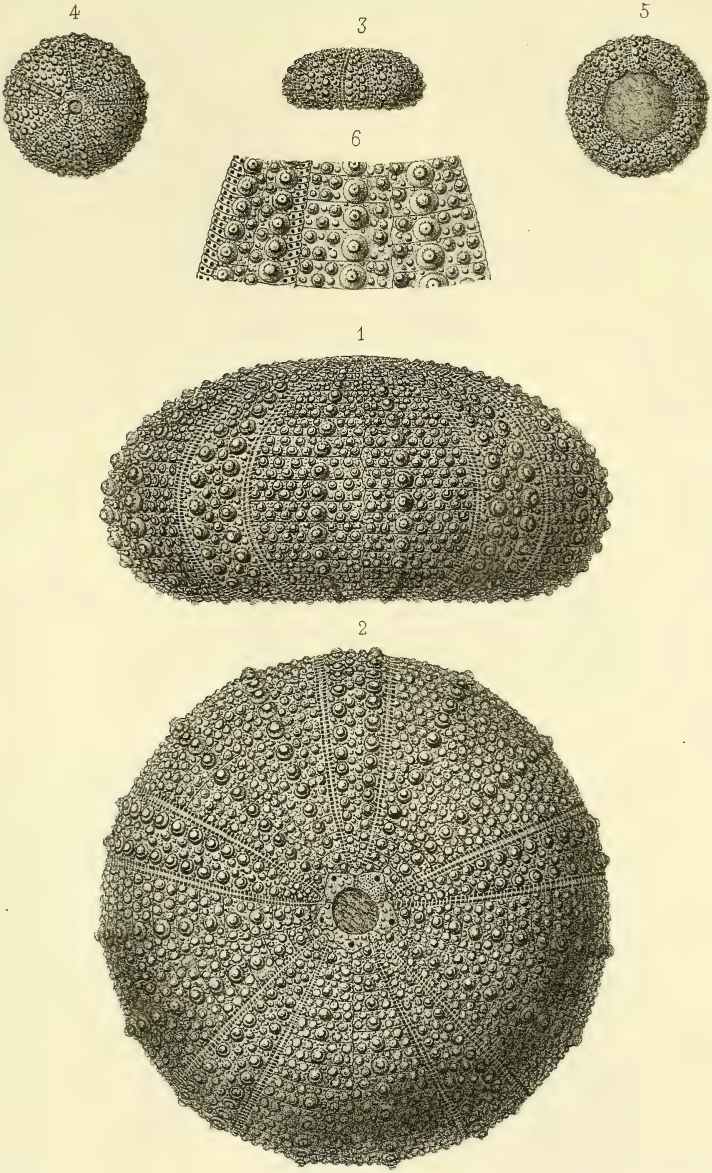
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Pseudodiadema Royeri, Cotteau. Corallien inf.



Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

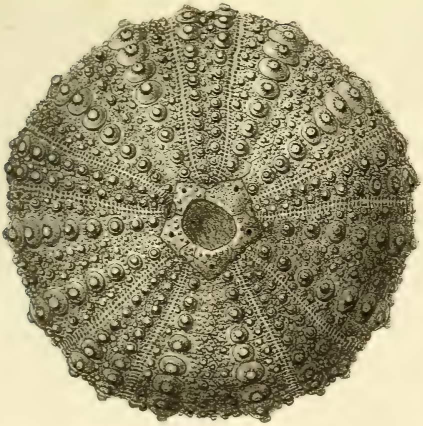
Pseudodiadema orbignyanum (Cotteau), Desor. Corallien inf. et sup.



Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Pseudodiadema orbignyanum (Cotteau), Desor. Corallien sup. et inf.

2



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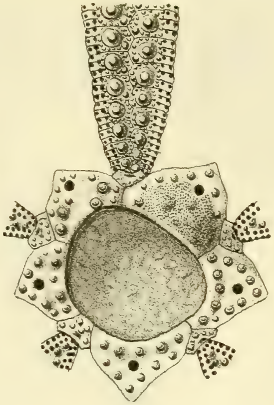

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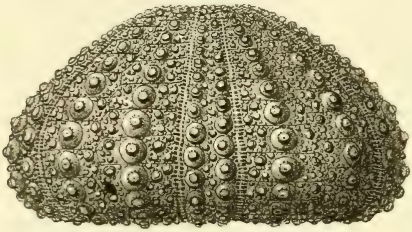

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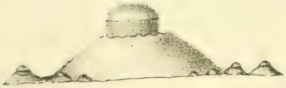

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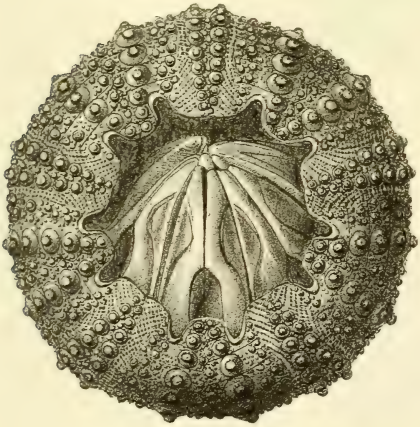
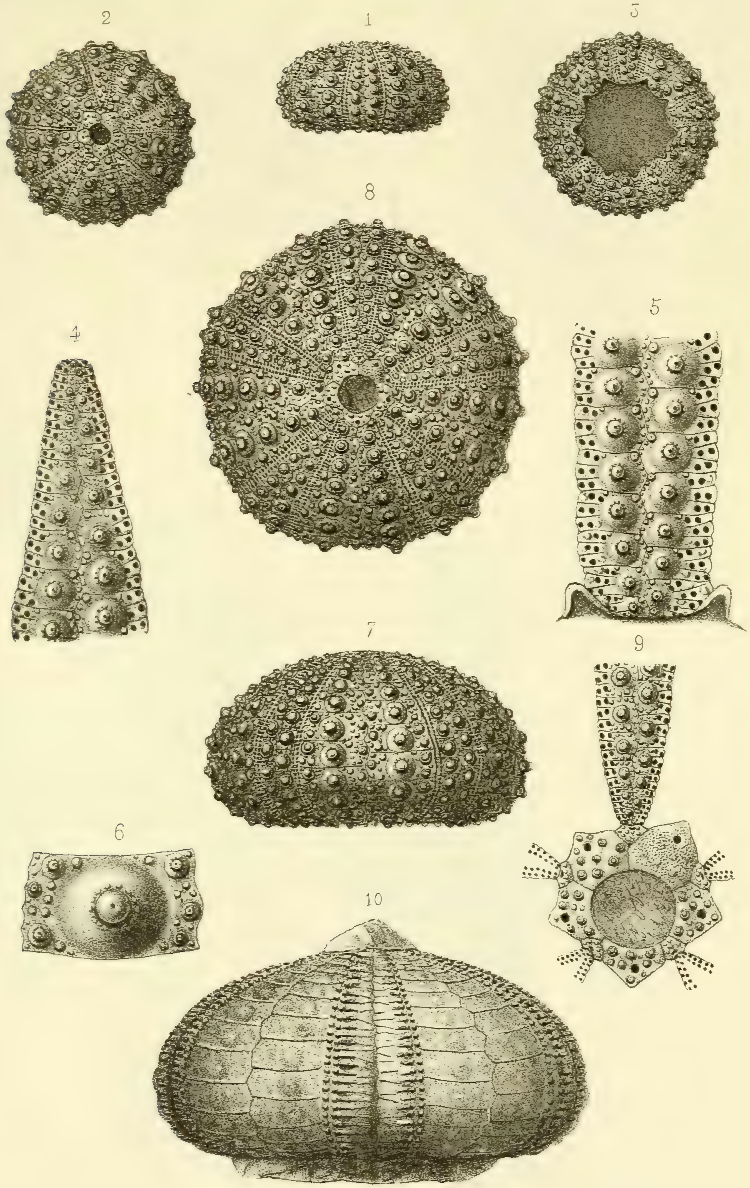


4

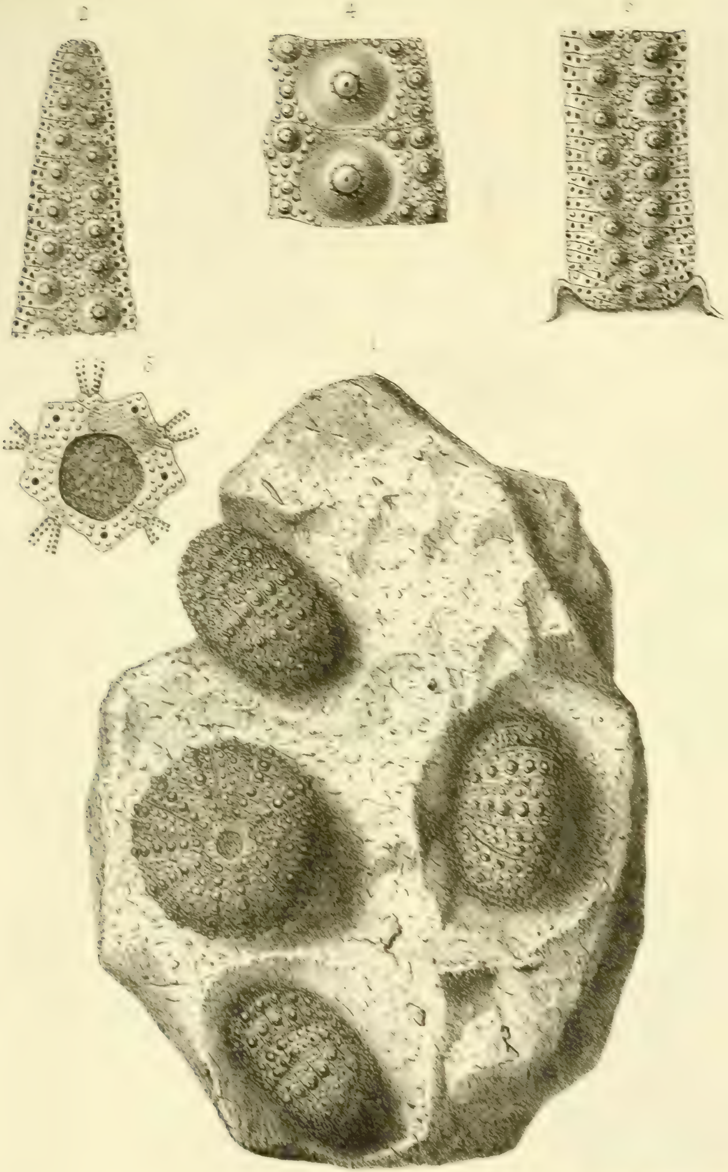
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Pseudodiadema pseudodiadema (Lamarck), Cotteau. Corallien inf.



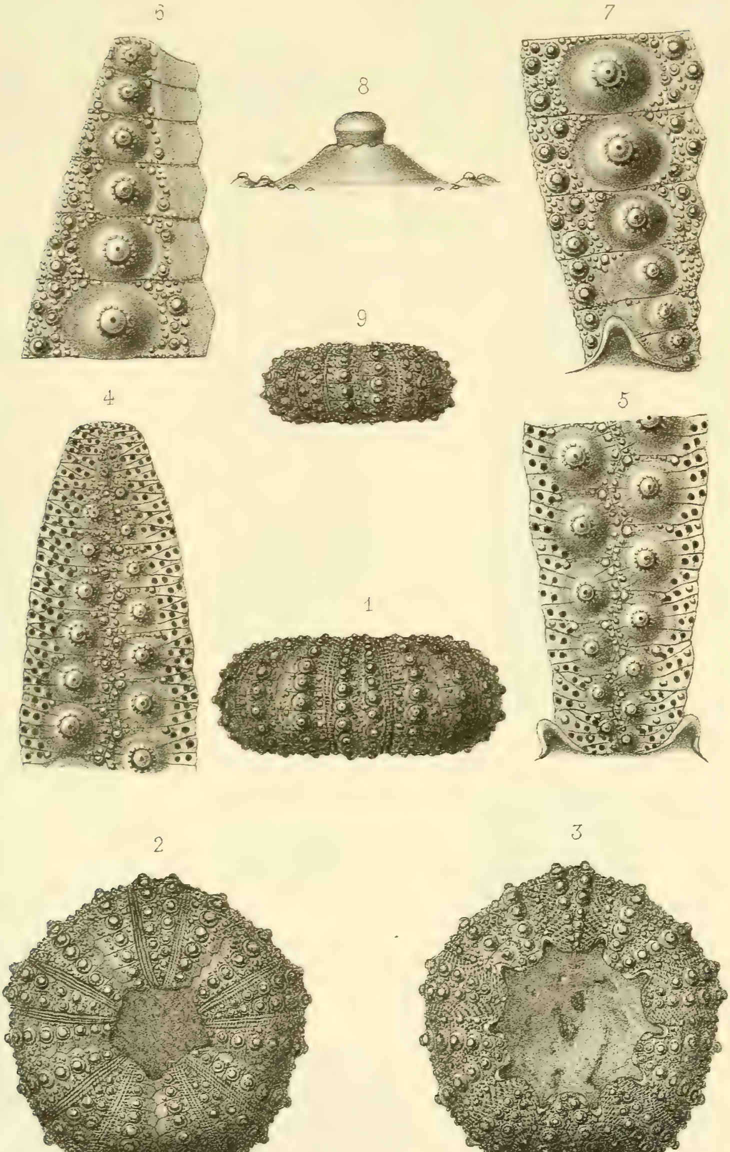
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Pseudodiadema pseudodiadema (Lamarck), Cotteau. Corallien inf.



G. Masson Éditeur

Pseudodiadema pseudodiadema (Lamarck) Cotteau. Corallien sup.

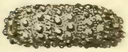


Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Pseudodiadema versipora (Phillips), Wright. Corallien inf.

3

2



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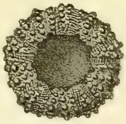

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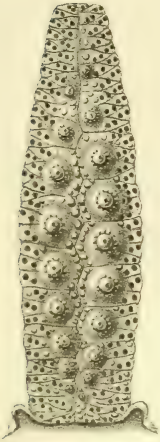

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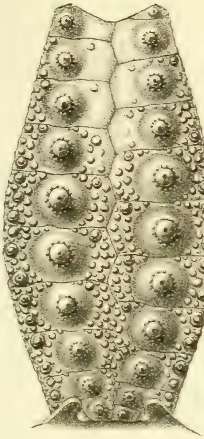

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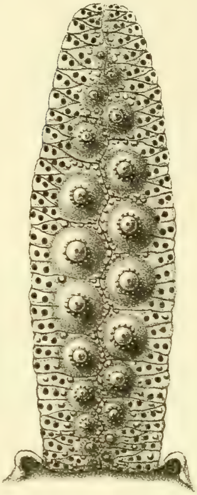

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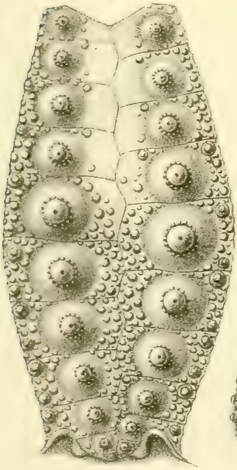

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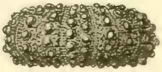

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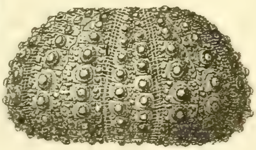

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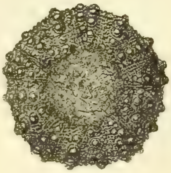
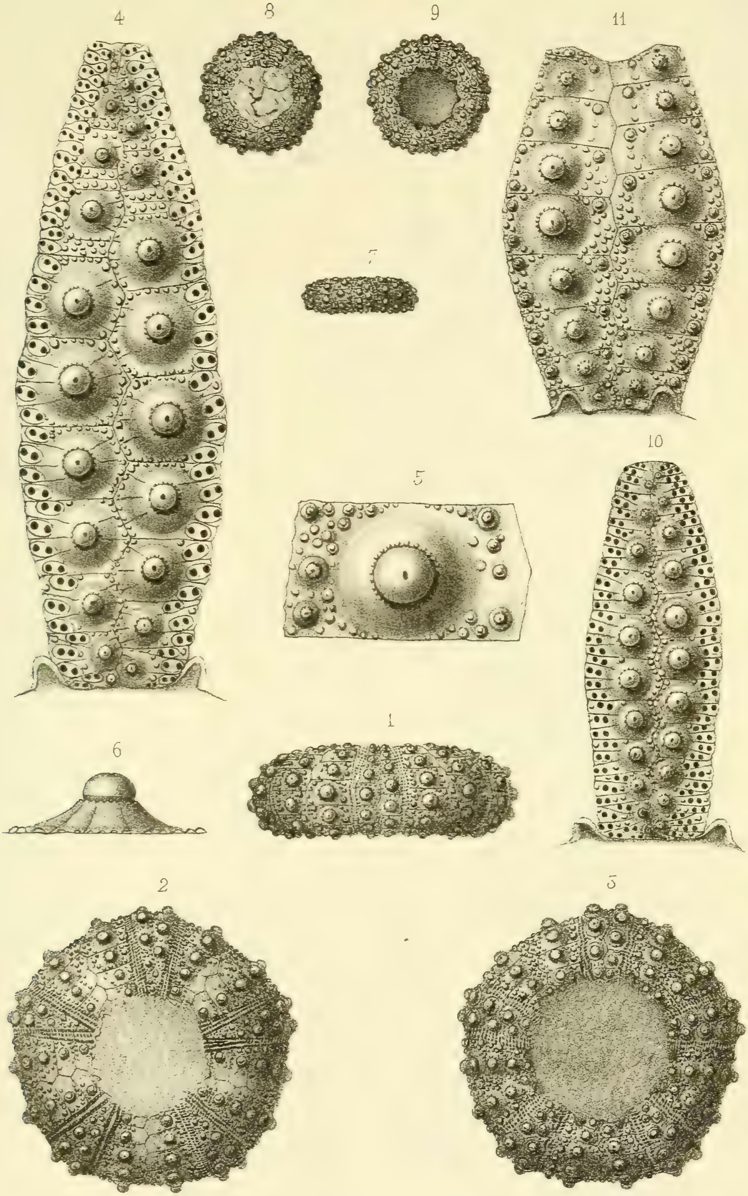


Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

1 . 6. *Pseudodiadema versipora (Phillips), Wright. Corallien sup.*

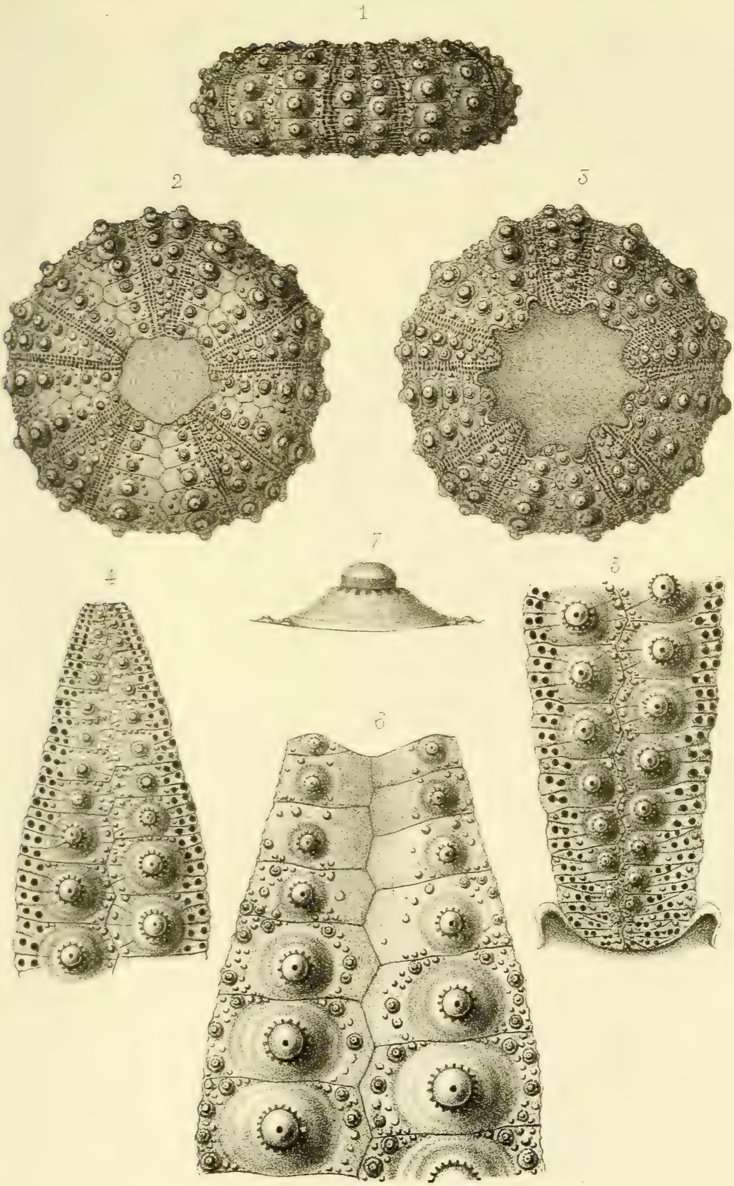
7 . 11. *P. ——— Pellati, Cotteau. Oxfordien sup.*



Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

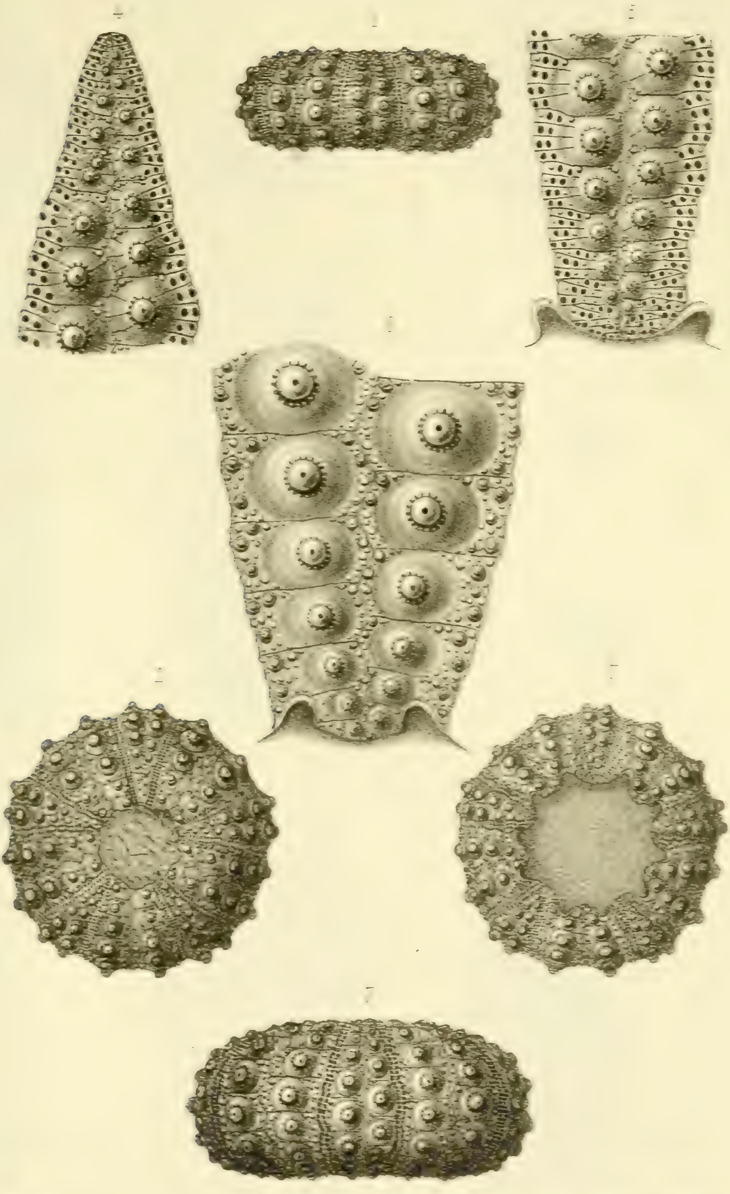
1 _ 6. *Pseudodiadema Choffati*, Cotteau. Oxfordien.

7 _ 11. *P. ————— Lamberti*, Cotteau. Corallien.



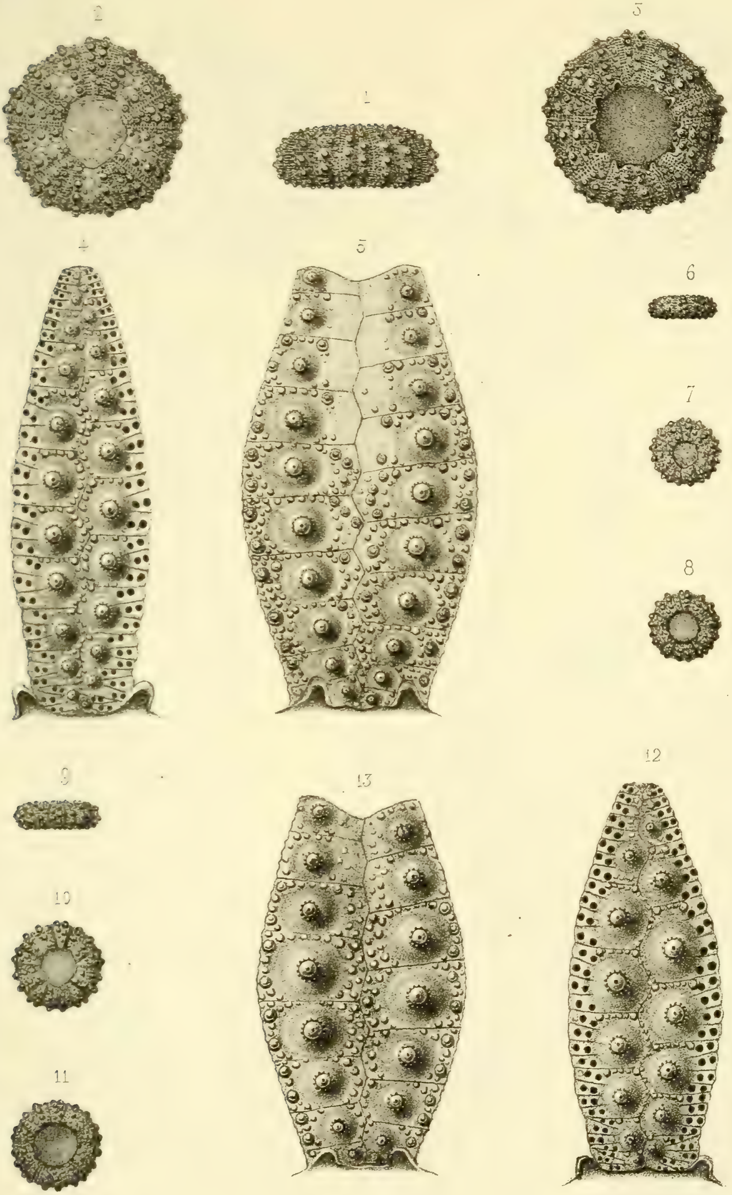
Humbert lith. G. Masson, Editeur. Imp. Becquet. Paris.

Pseudodiadema princeps (Thurmann), Desor. Corallien.



Humbert lith. G Masson Editeur Imp. Becquet Paris

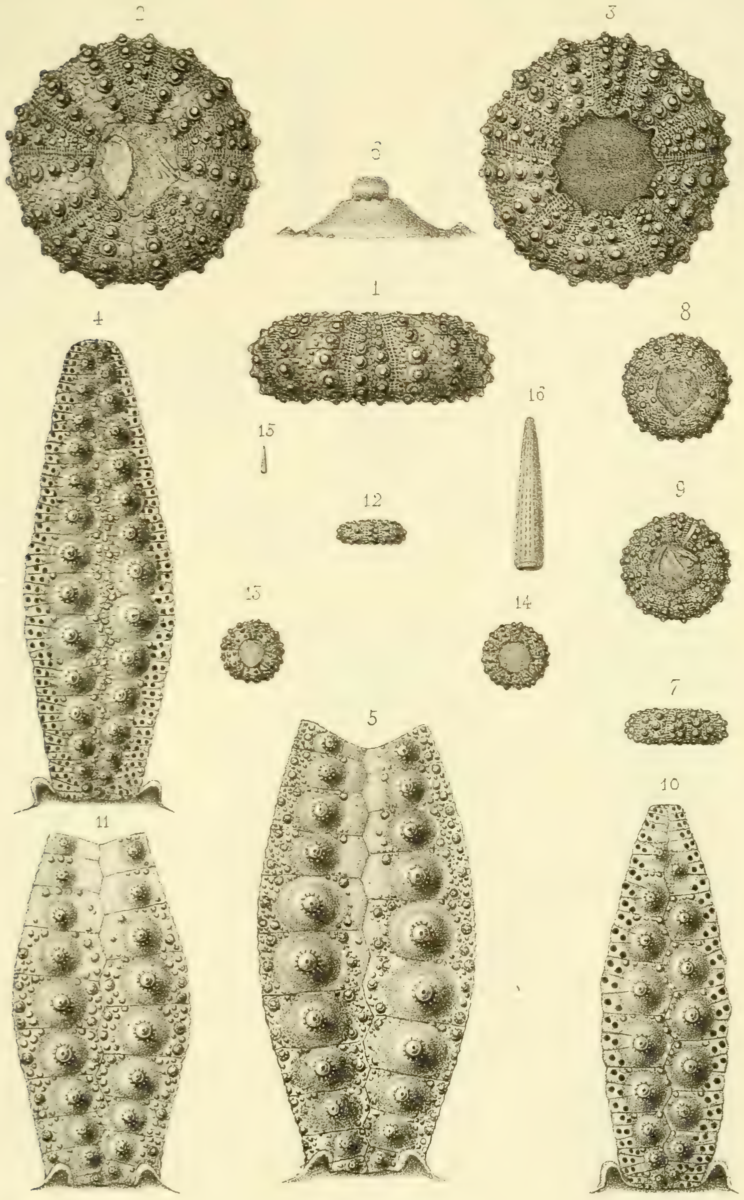
Pseudodiadema princeps (Thurmann), Desor. Corallien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

1 _ 5. Pseudodiadema sparsum, Cotteau. Corallien inf.

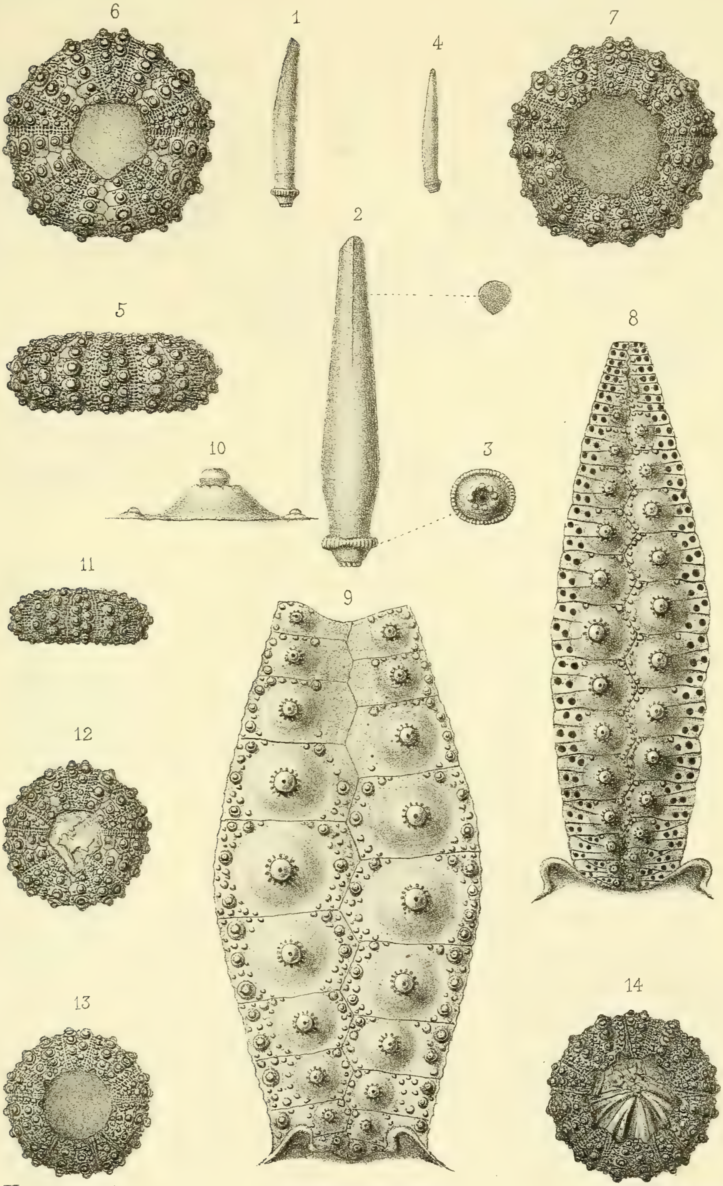
6_13. P.___ ______ lenticulatum (Cotteau), Desor. Corallien moyen.



Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

1_6. Pseudodiadema submamillanum, Cotteau. Corallien.

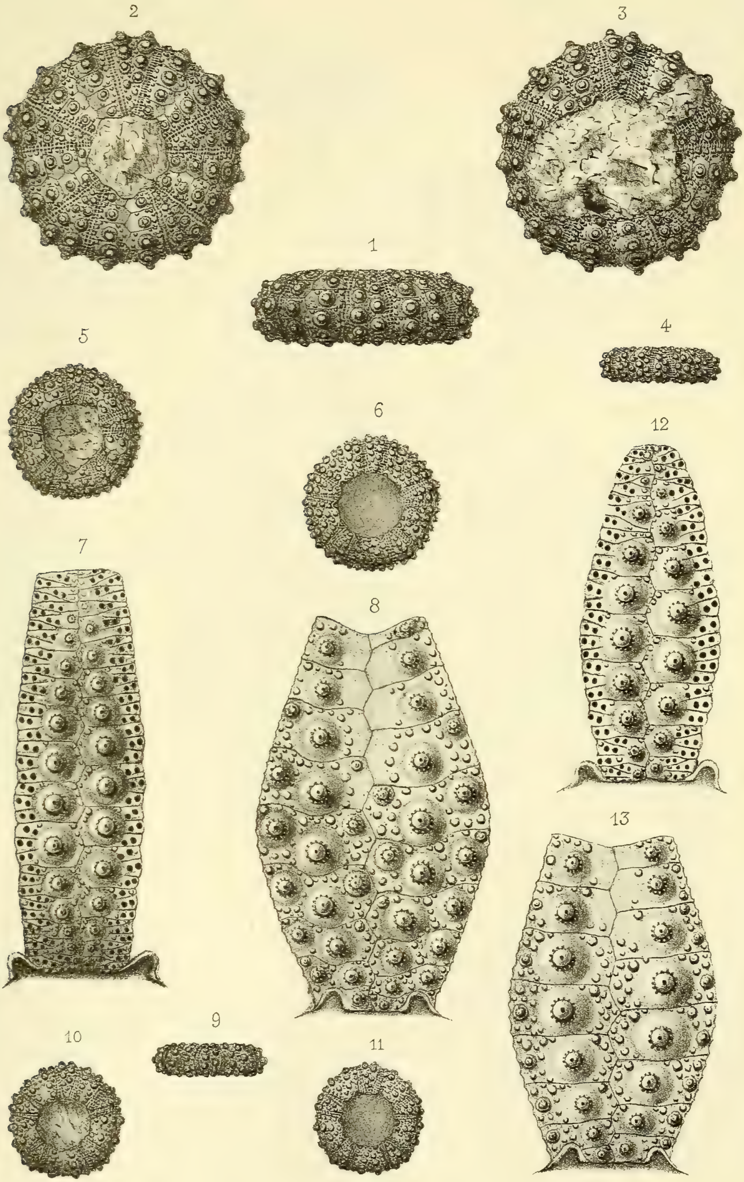
7_16. P. ______ trouvillense, ______ ______



Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

1_4. Pseudodiadema aciculatum, Cotteau. Corallien.

5_14. P. ——————— mamillanum (Rœmer), Desor. Corallien et kimméridgien.

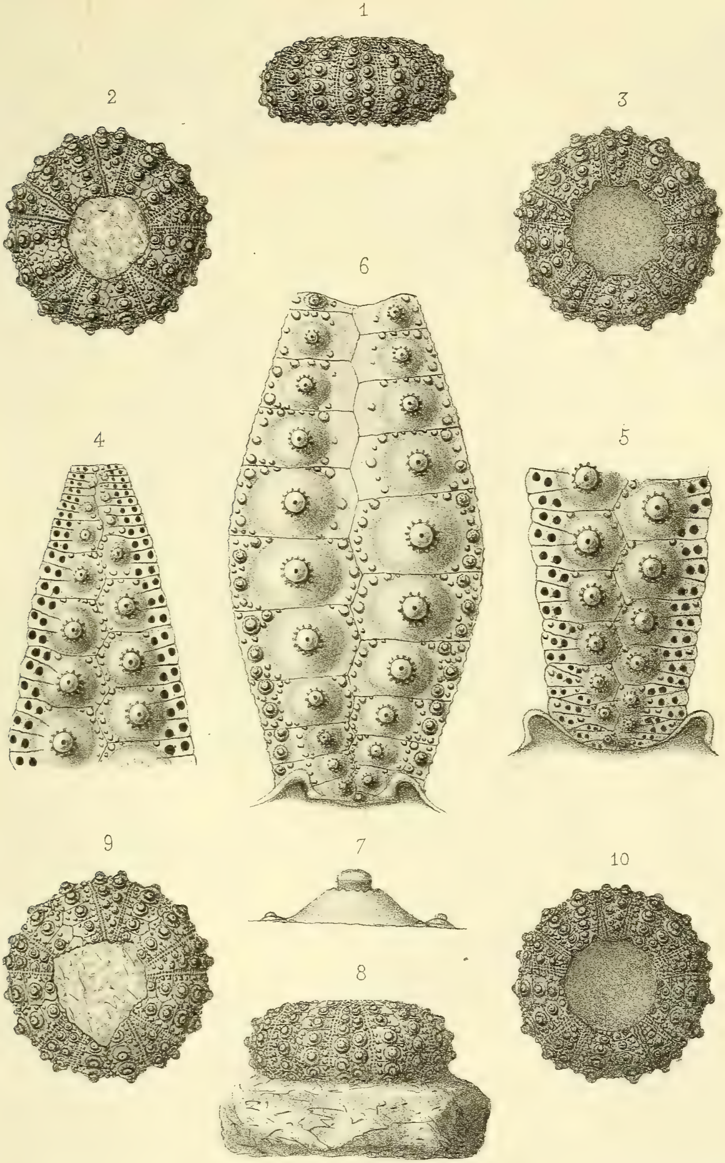


Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

1 – 3. Pseudodiadema mamillanum (Rœmer), Desor. Kimméridgien.

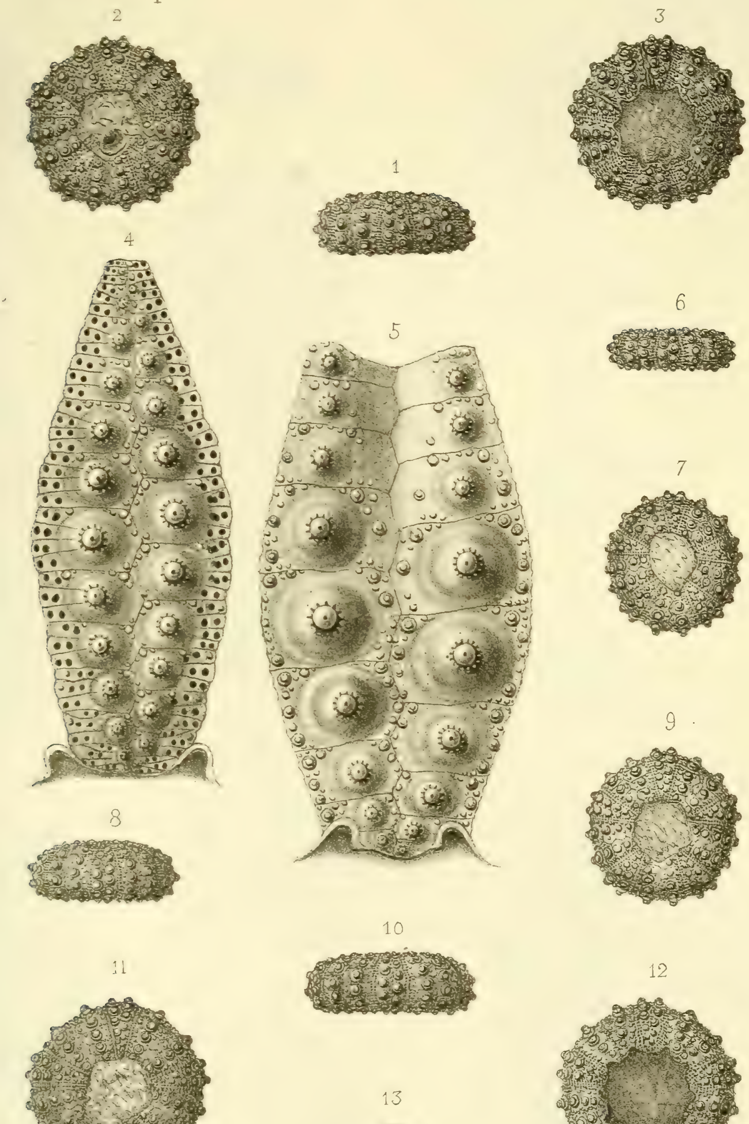
4 – 8. P. ———— planissimum (Agassiz), Desor. Corallien sup.

9 – 13. P. ———— parvulum (Thurmann), de Loriol. Corallien.



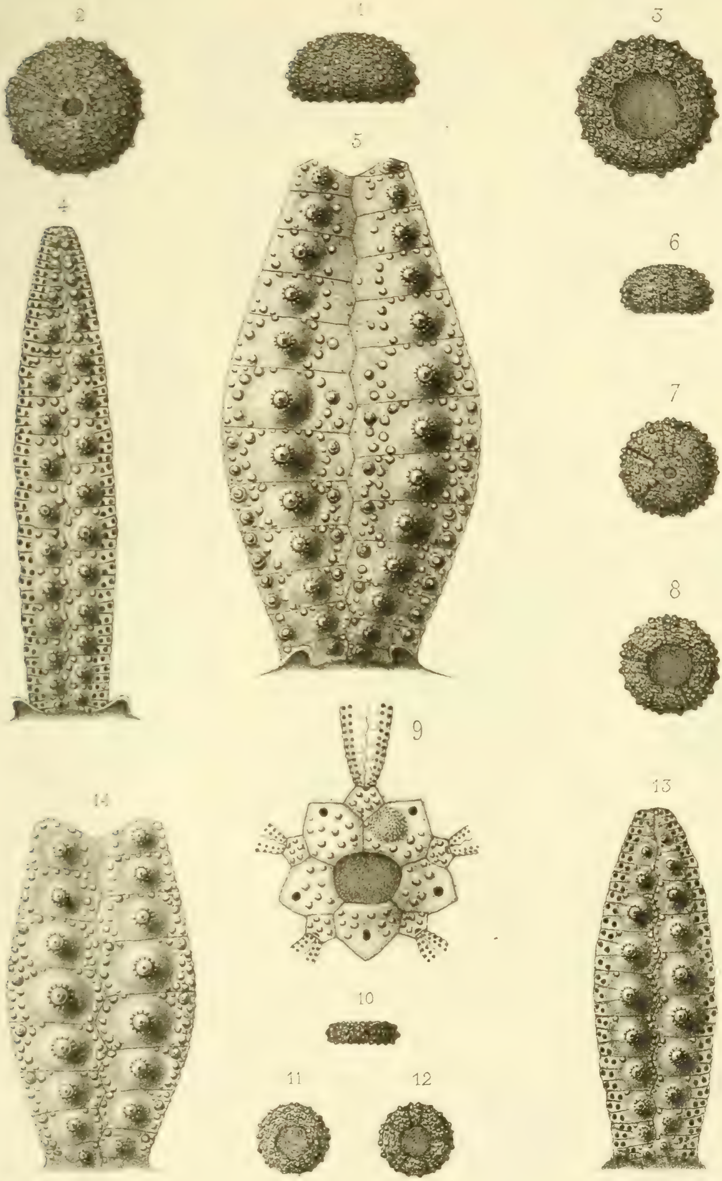
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Pseudodiadema neglectum, Desor. Corallien inf. et sup.



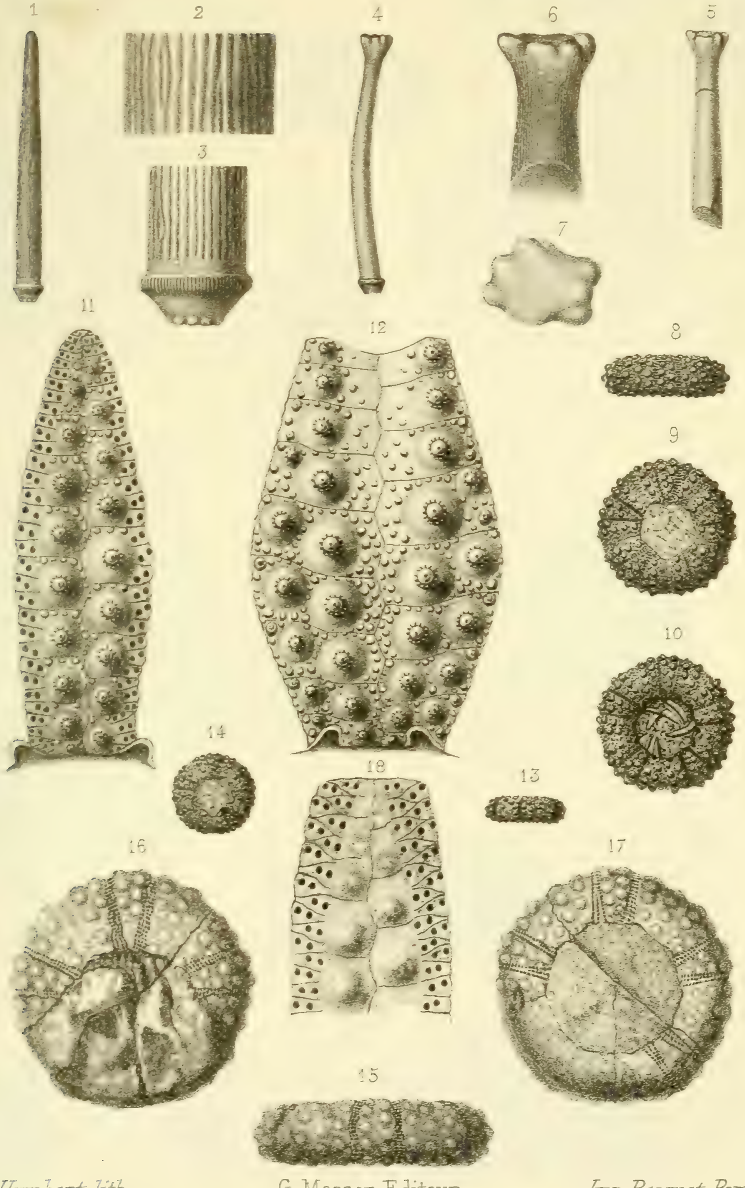
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Pseudodiadema neglectum, *Desor. Kimméridgien.*



Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

1 – 9. *Pseudodiadema conforme (Agassiz), Etallon. Kimméridgien.*
10 – 14. *P. ——————— magnagramma, Wright. Portlandien.*



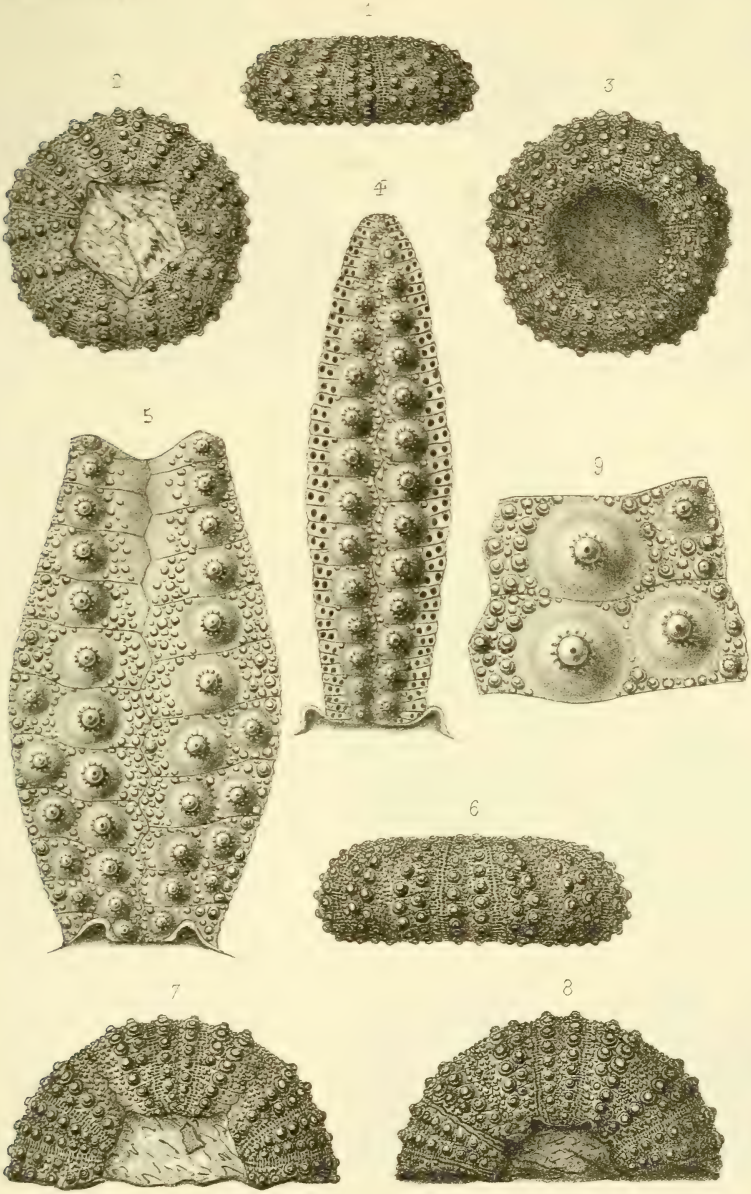
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

1 _ 3. *Pseudodiadema rupellense*, Cotteau. Corallien sup.

4 _ 7. *P.* ——— *Beltremieuxi*, ——— ——— ———

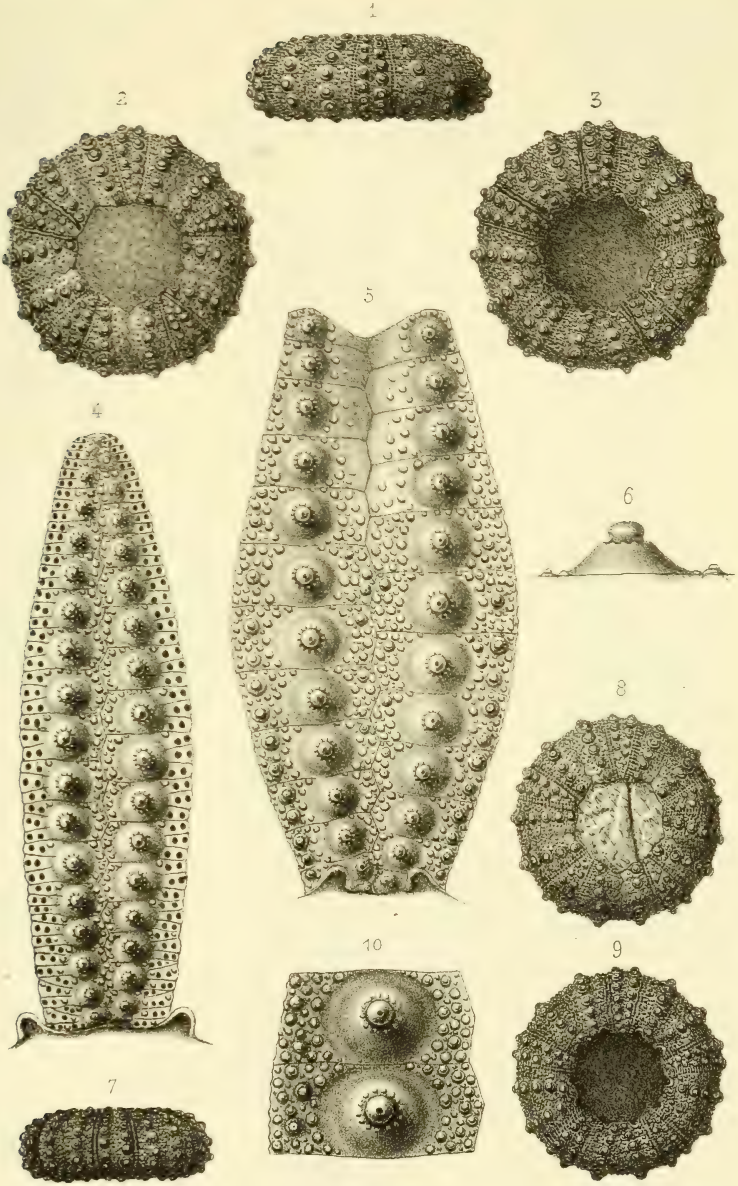
8 _ 14. *P.* ——— *Thirriai*, Etallon. Portlandien.

15 _ 18. *P.* ——— *rougonense*, Cotteau. Corallien sup.



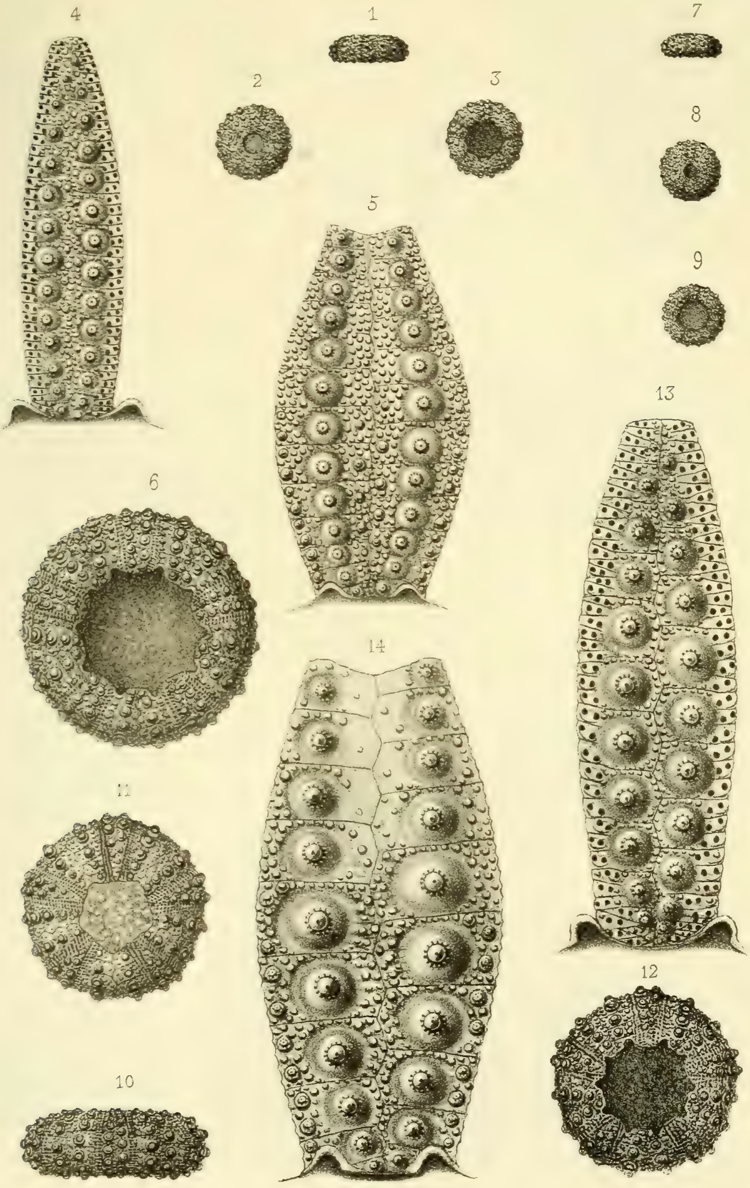
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Pseudodiadema baccatum, Sauvage et Rigaux, Portlandien.



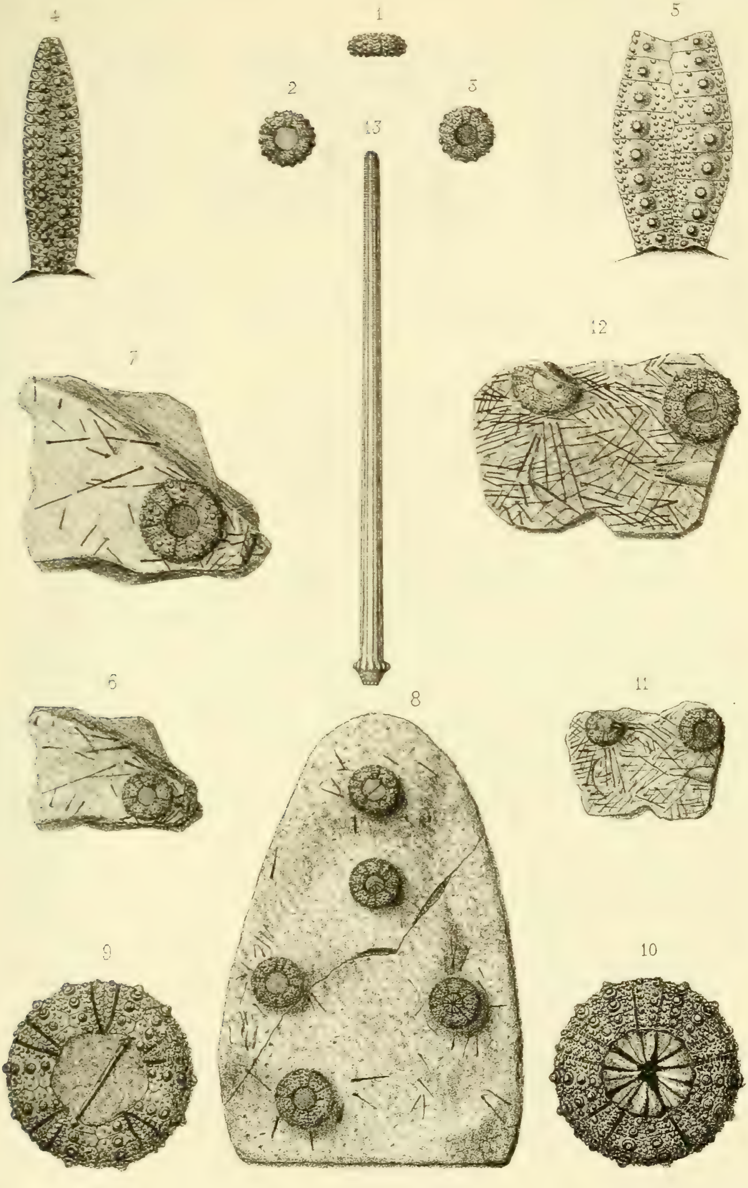
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Pseudodiadema Sauvagei, Rigaux. Portlandien.



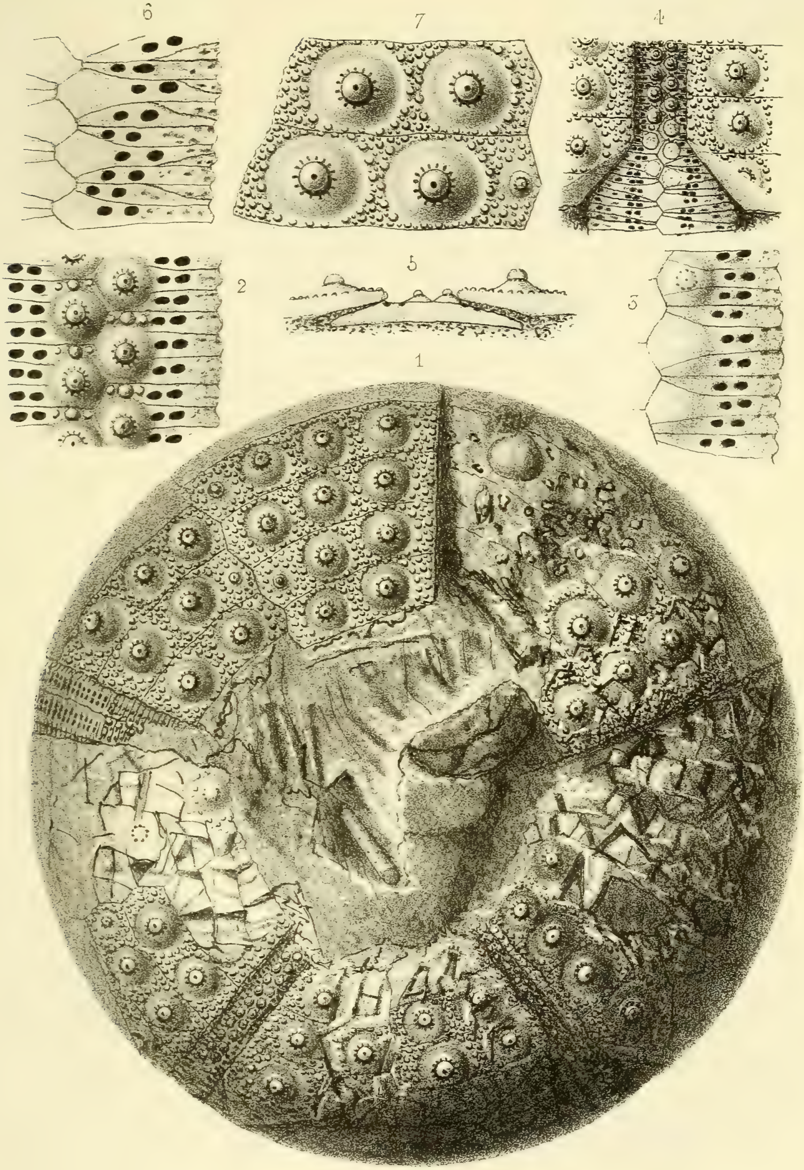
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

1 – 9. Pseudodiadema Glasvillei, Cotteau. Portlandien.
10 – 14. P. ——————— Marioni, Cotteau. Oxfordien.



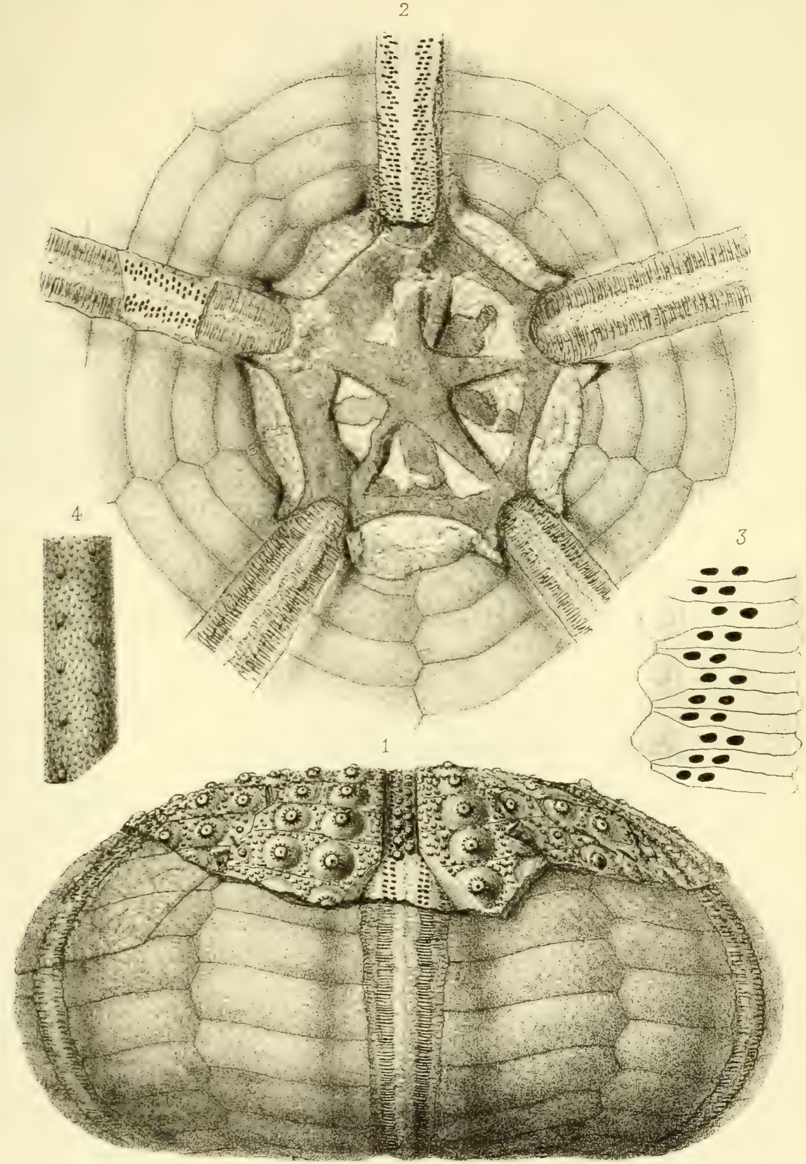
Humbert lith G. Masson, Editeur. Imp. Becquet, Paris.

1–7. *Pseudodiadema minutum* (*Buchmann*), *Cotteau. Liasien.*
8 13. *P.* ——————— *Collenoti, Cotteau. Infralias.*



Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

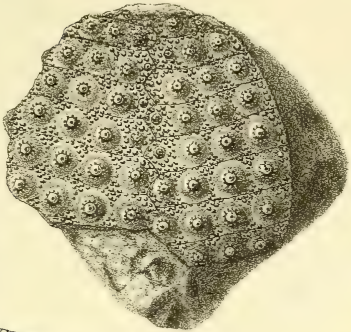
Heterocidaris Trigeri, Cotteau. Bajocien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Heterocidaris Trigeri, Cotteau. Bajocien.

1



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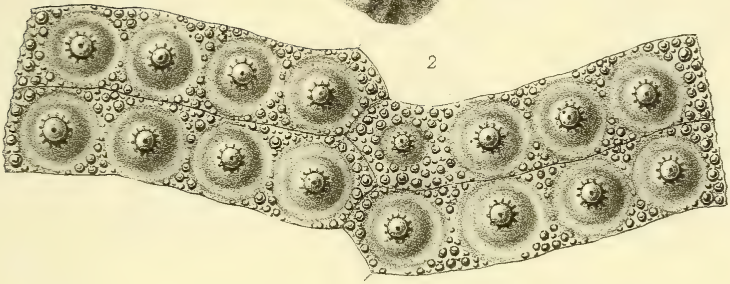

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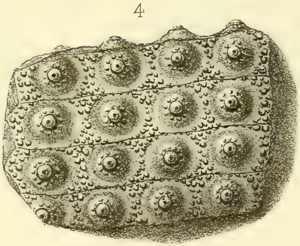

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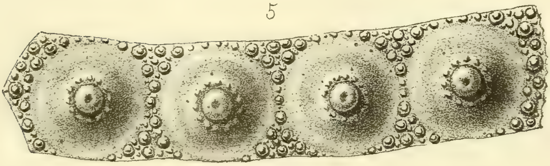
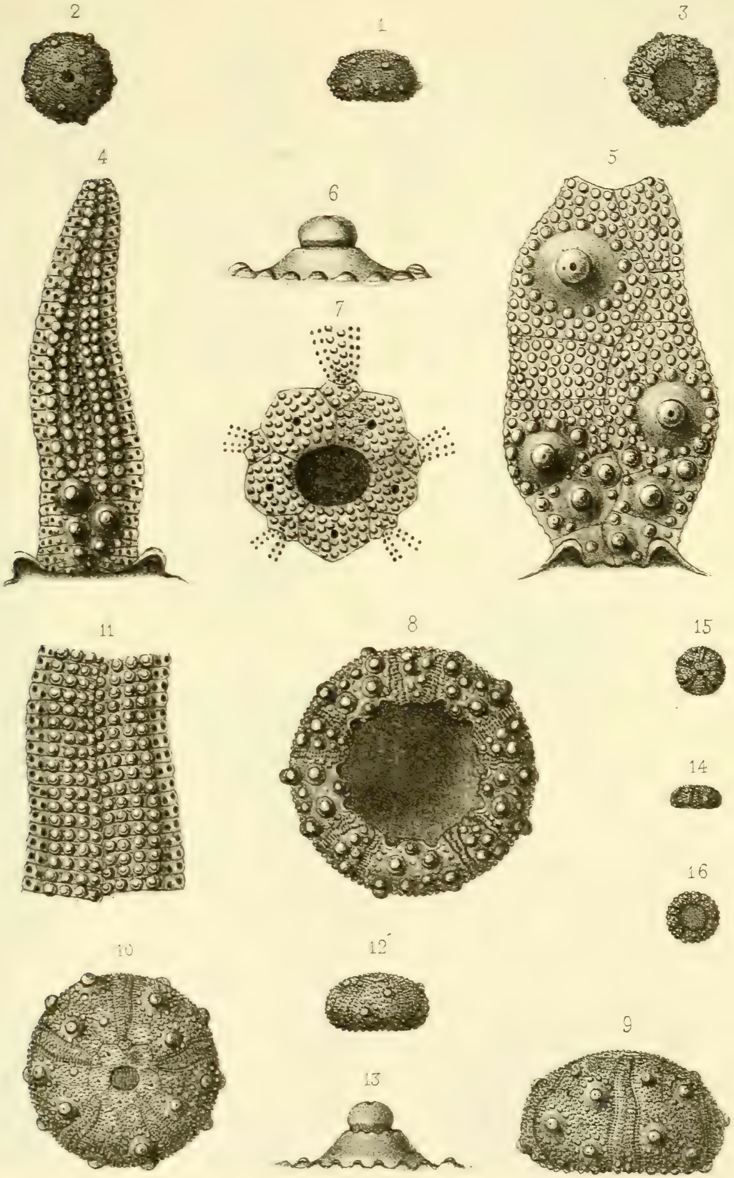


Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

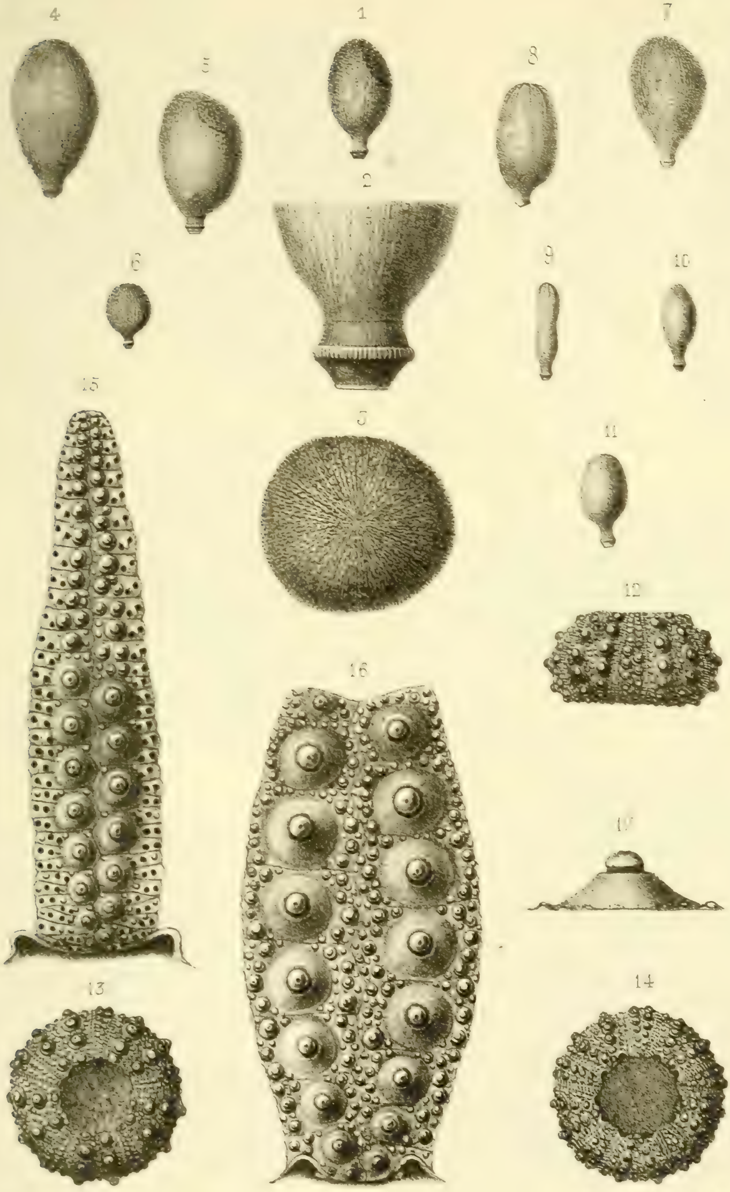
1 _ 3. Heterocidaris Wickense, Wright. Bathonien.

4 _ 6. H. ——— Dumortieri, Cotteau. Oxfordien.



Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

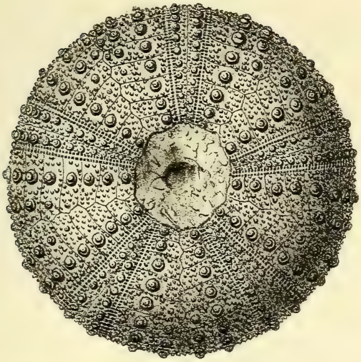
Cidaropsis minor (Agassiz), Cotteau. Bathonien.



Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

1 – 11. *Cidaropsis minor* (*Agassiz*), *Cotteau. Bathonien.*
12 – 17. *Hemipedina tuberculosa*, *Wright. Corallien.*

2



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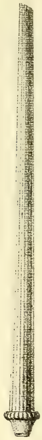

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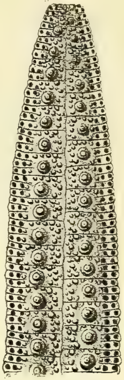

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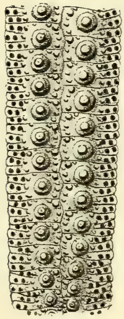

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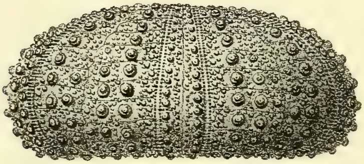

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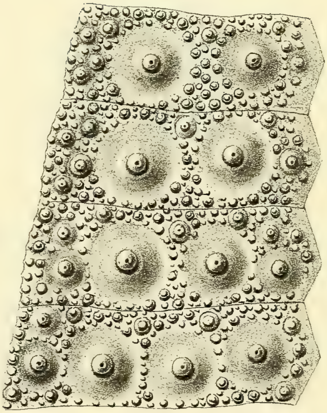

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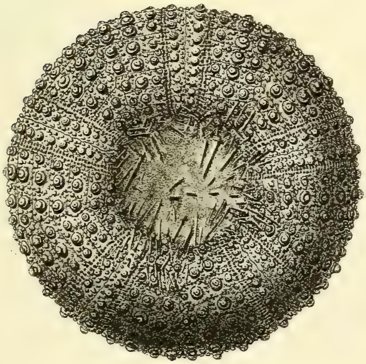
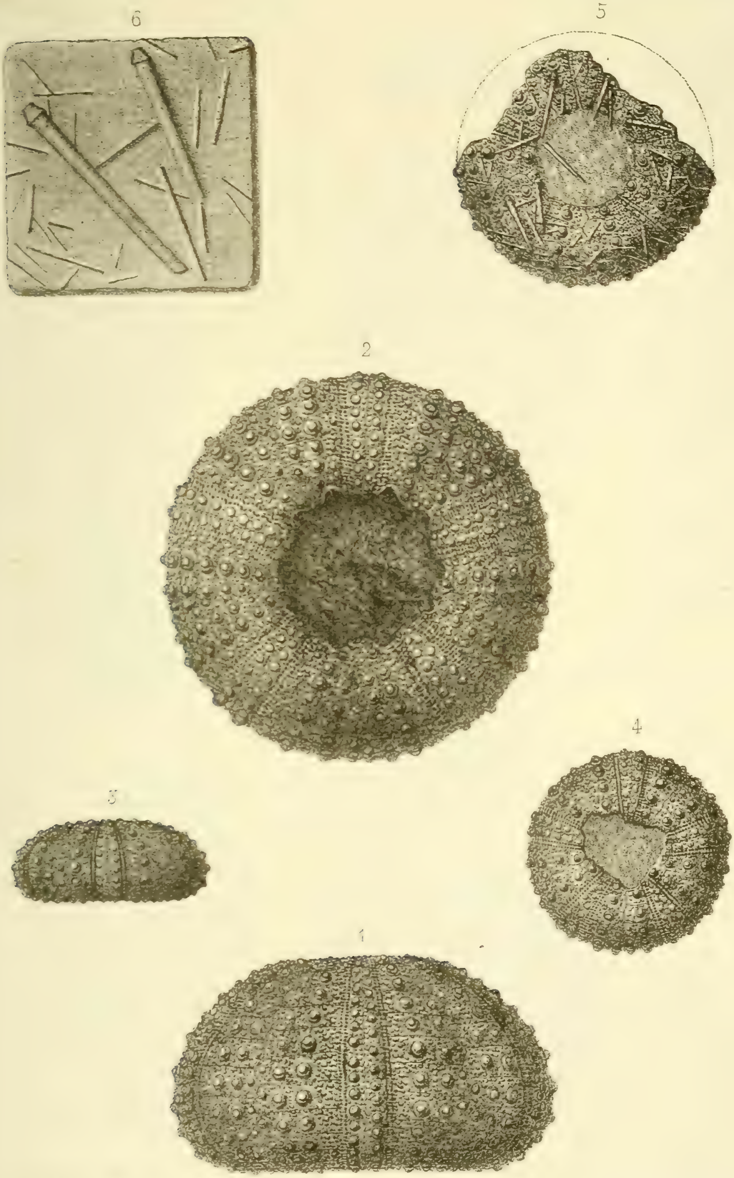


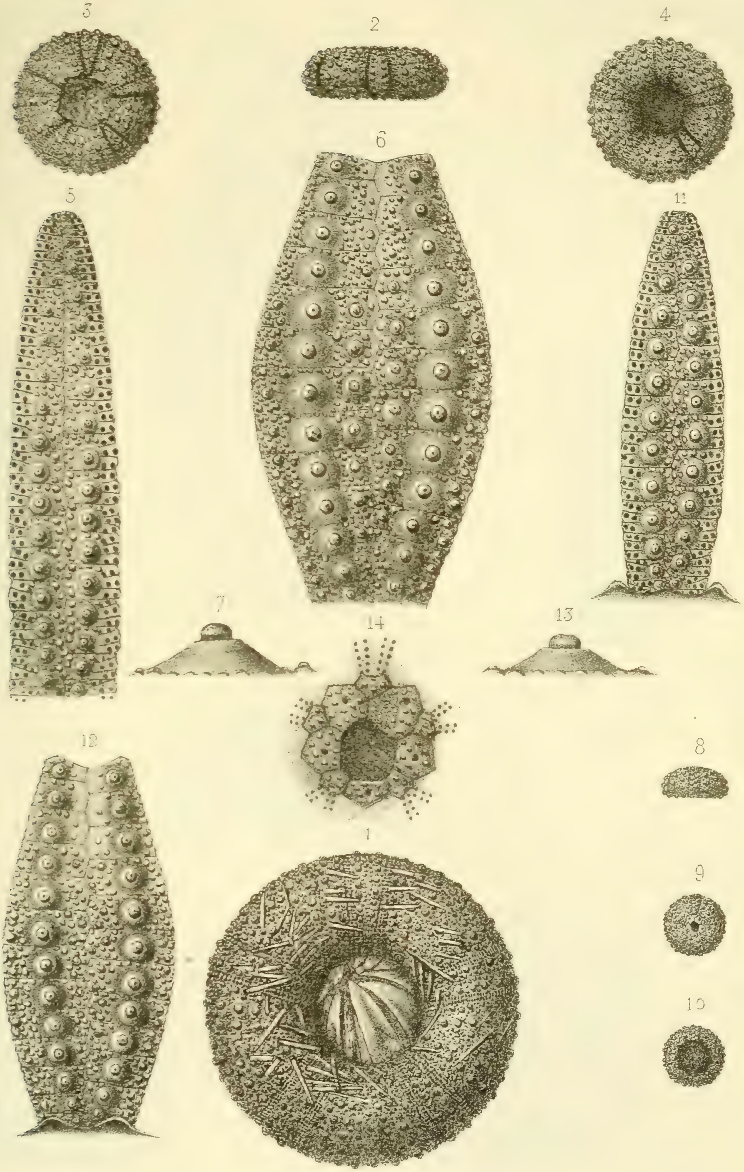
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Diademopsis serialis (Agassiz), Desor. Infra-lias.



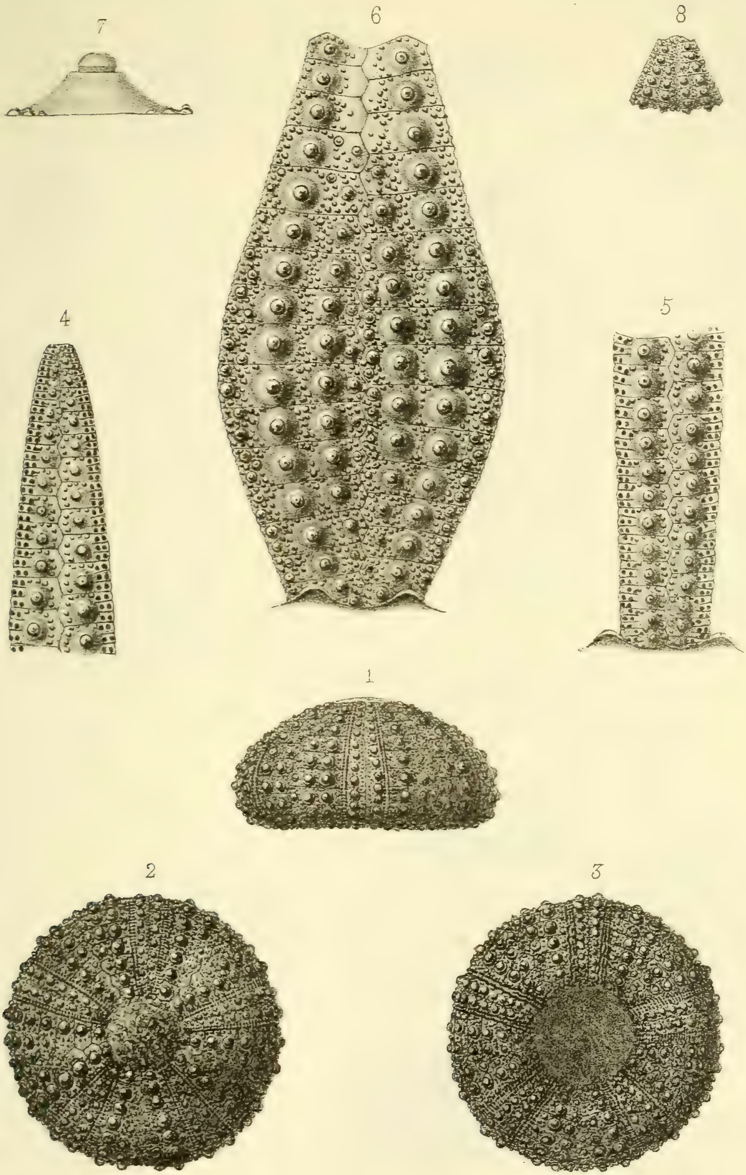
Humbert lith. G. Masson Editeur. *Imp. Becquet, Paris.*

Diademopsis serialis (Agassiz), Desor. Infra-lias.



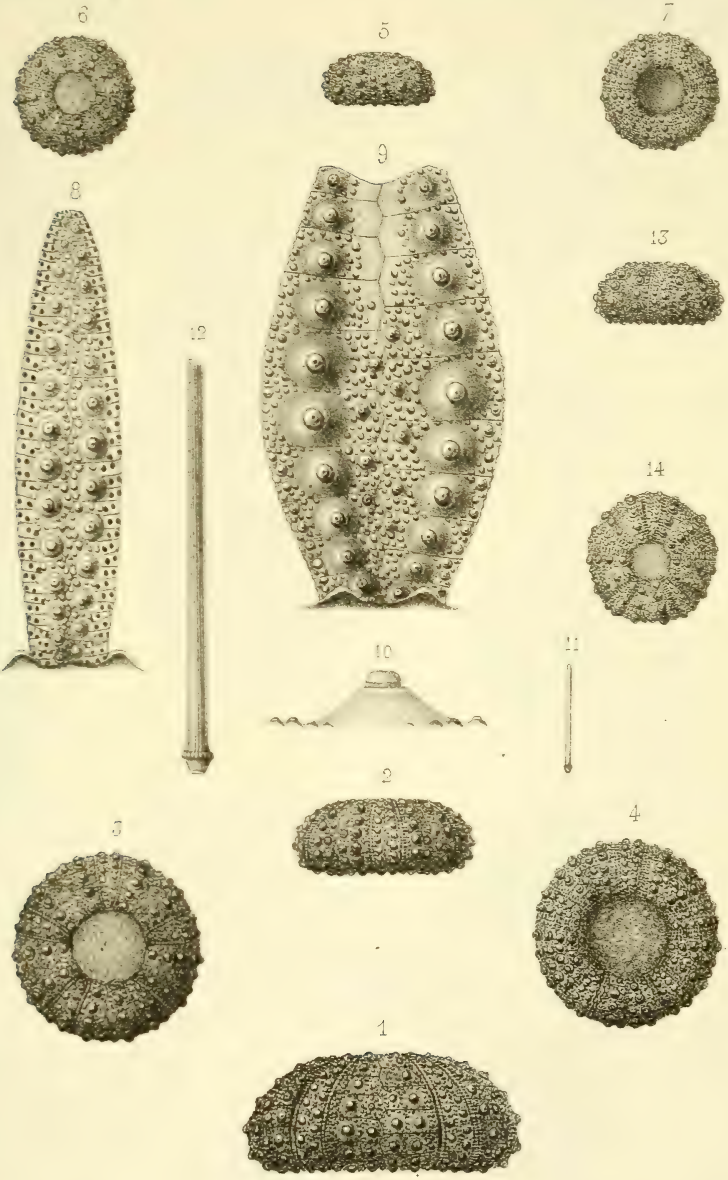
Humbert lith. G. Masson Editeur. Imp. Becquel, Paris

1. *Diademopsis serialis* (*Agassiz*), *Desor. Infra-lias.*
2 _ 7. *D.* ____ *Jauberti*, *Cotteau.* ____
8_14. *D.* ____ *minima* (*Agassiz*), *Desor.* ____



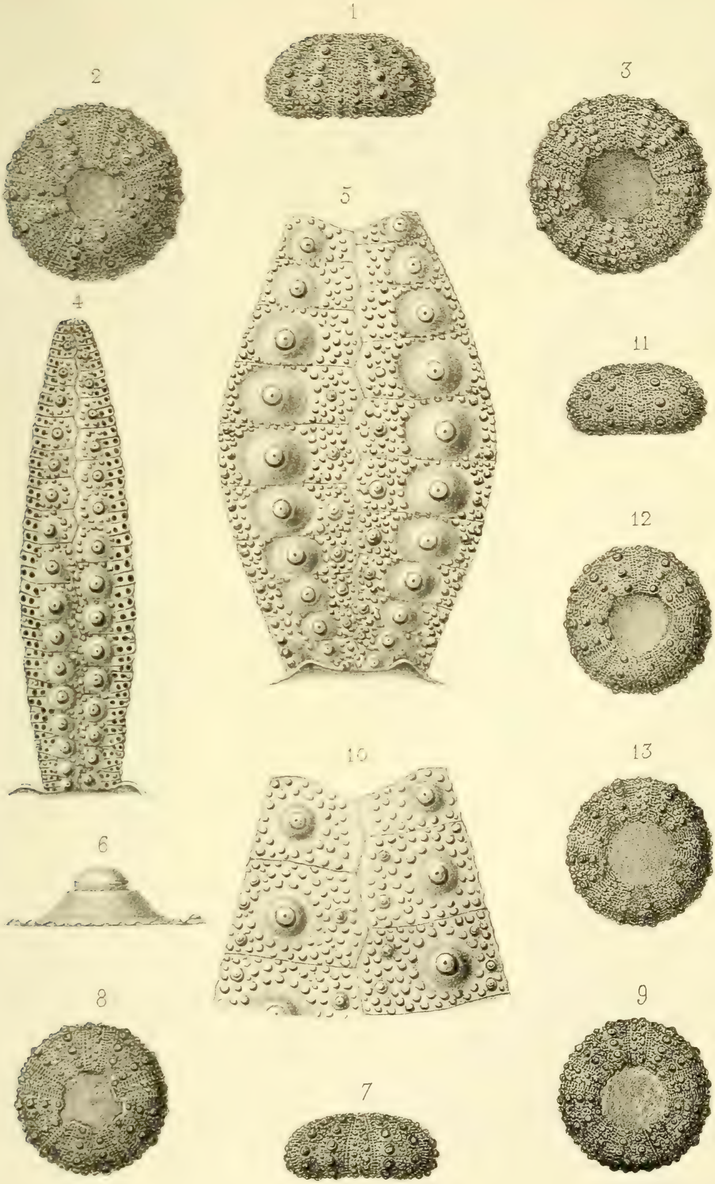
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Diademopsis micropora (Agassiz), Desor. Infra-lias.



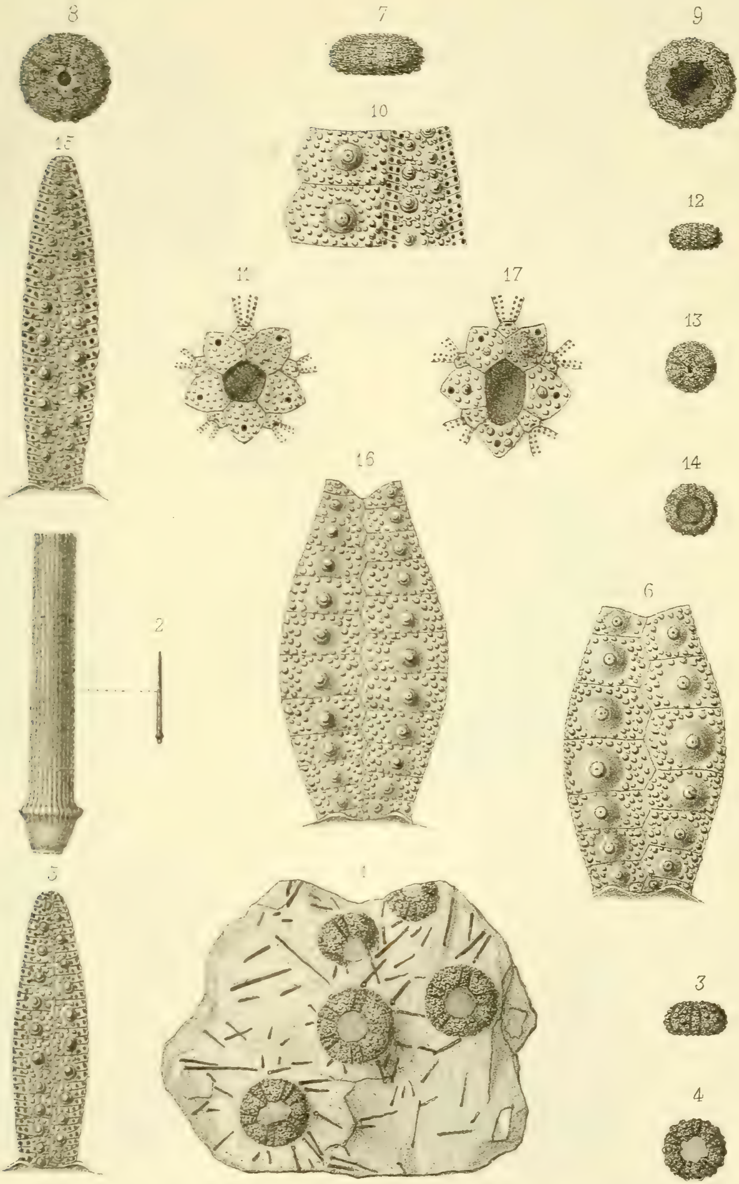
Humbert lith. G. Masson Editeur. Imp. Becquet Paris.

1_4. Diademopsis micropora (Agassiz), Desor: Infra-lias.
5_14 D. ——— Heberti (Agassiz), Cotteau. ———



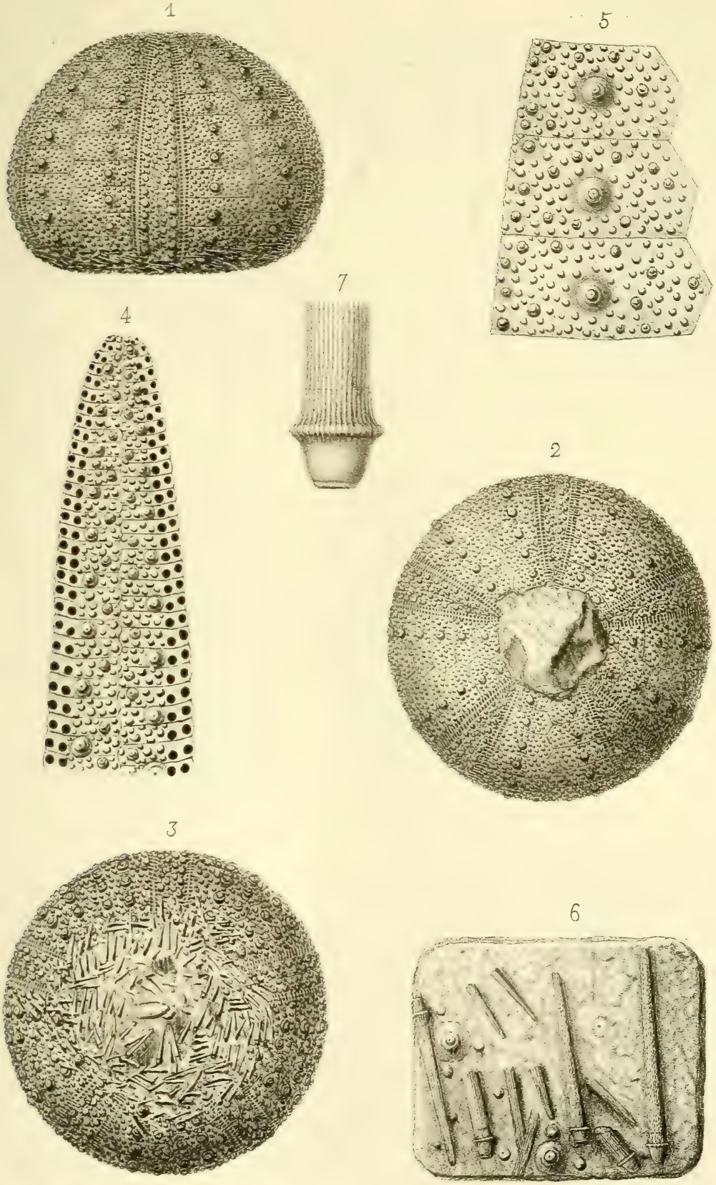
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Diademopsis Michelini (Cotteau), Desor. Infra-lias.



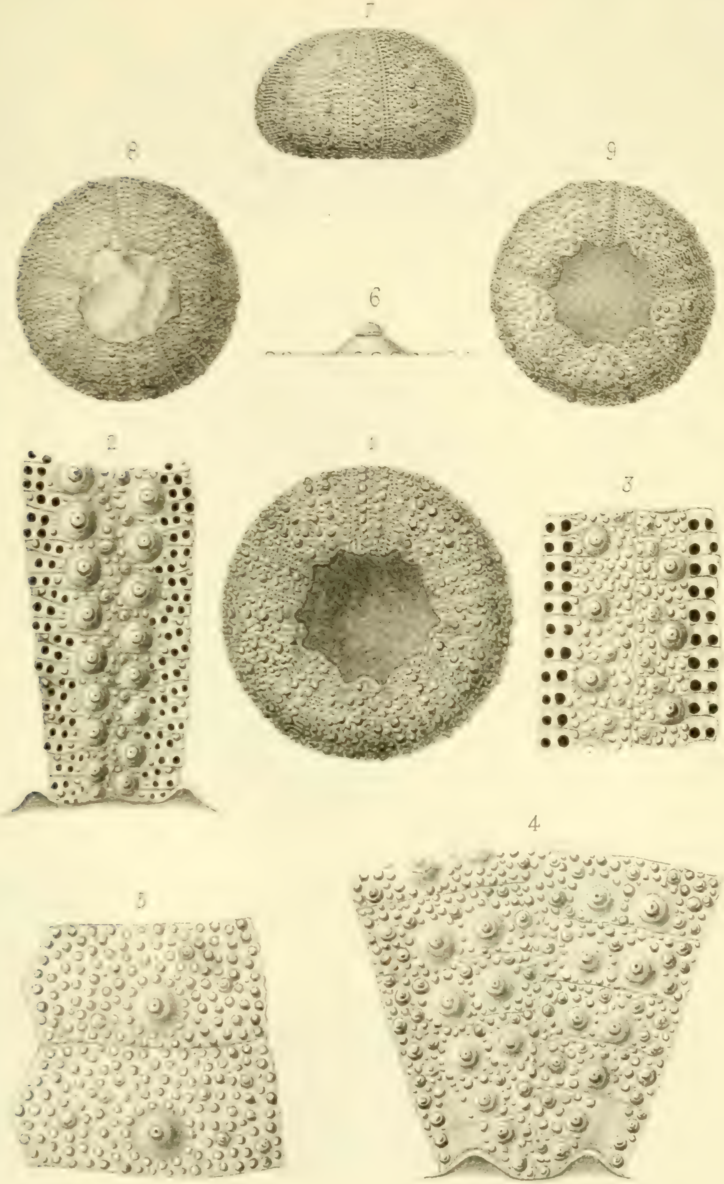
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

1 _ 6. Diademopsis Michelini (Cotteau), Desor. Infra-lias.
7 _ 11. D. ———— Lorierei, Cotteau. Liasien.
12 _ 17. D. ———— exigua, ——— Infra-lias.



Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

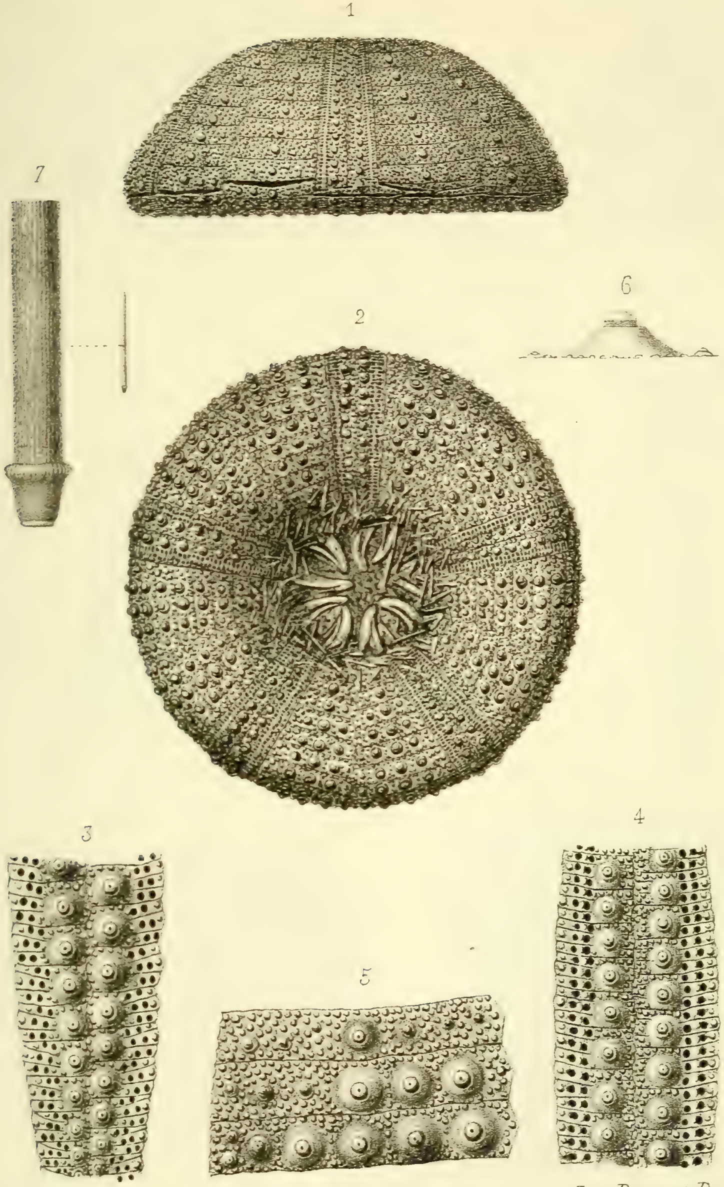
Diademopsis globulus (Agassiz), Desor. Infra-lias.



Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

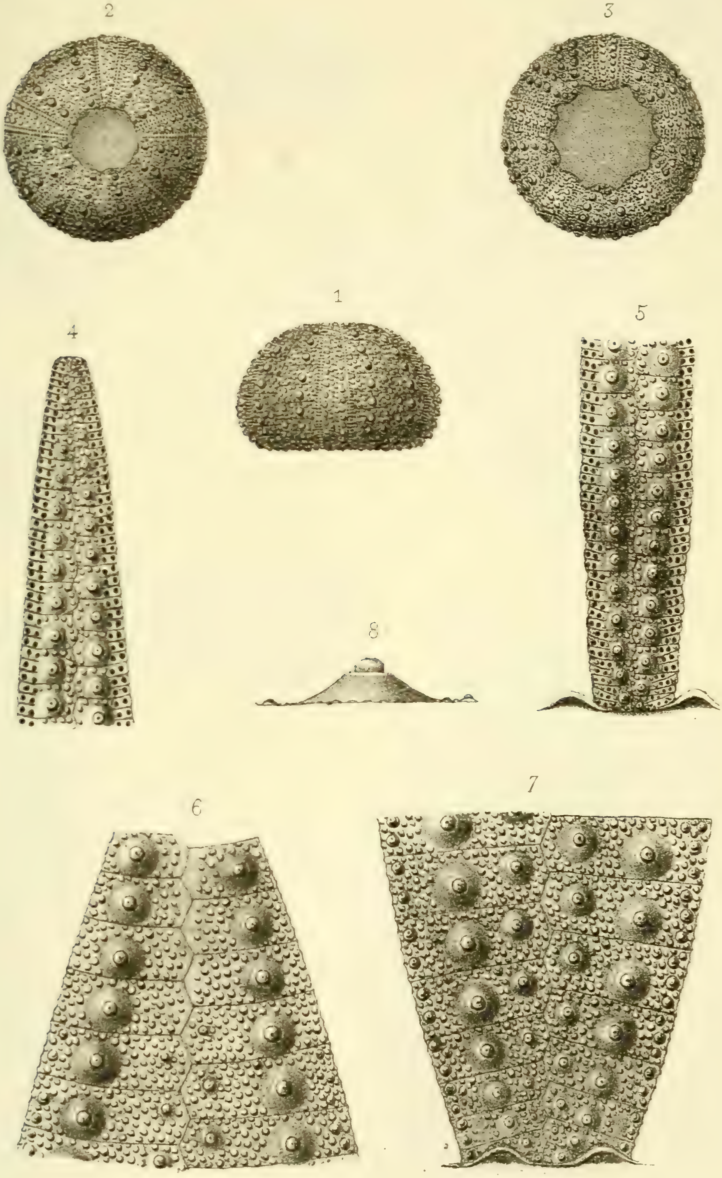
1_6. Diademopsis globulus (Agassiz), Desor. Infra-lias.

7-9. D. ——— buccalis, ——— ——— ———



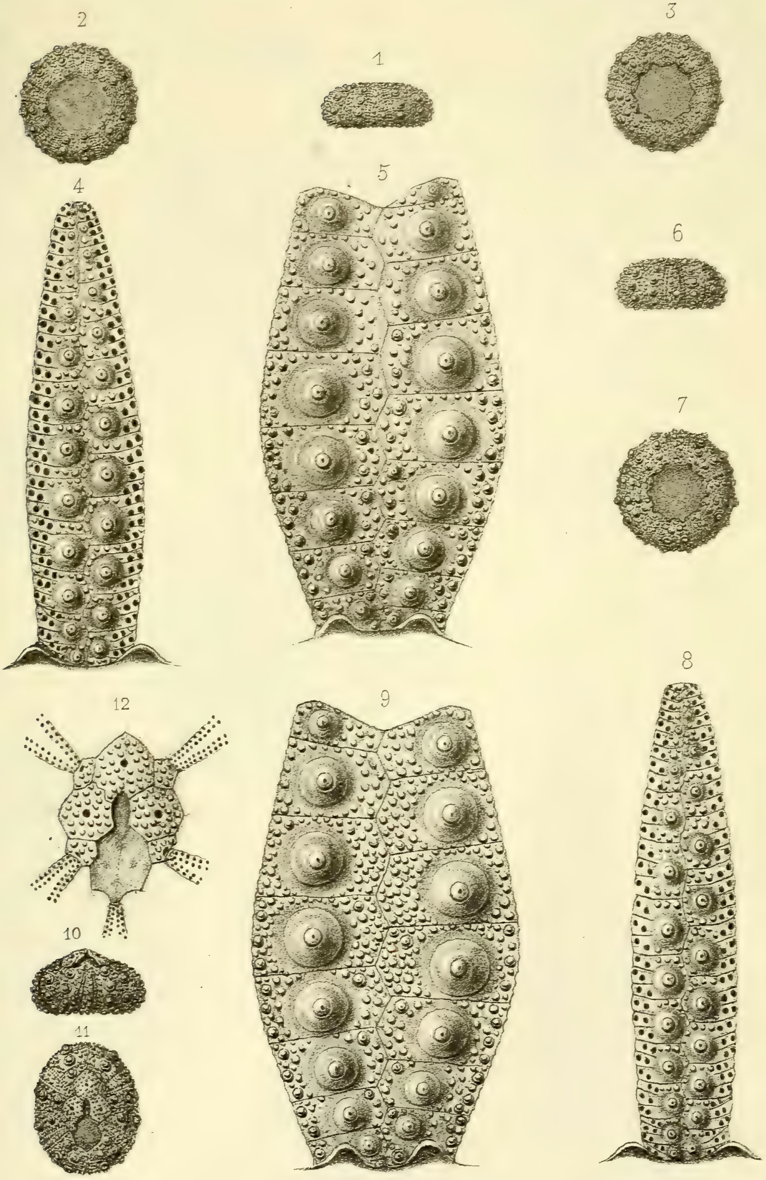
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Diademopsis Bonissenti, *Cotteau. Infra-lias.*



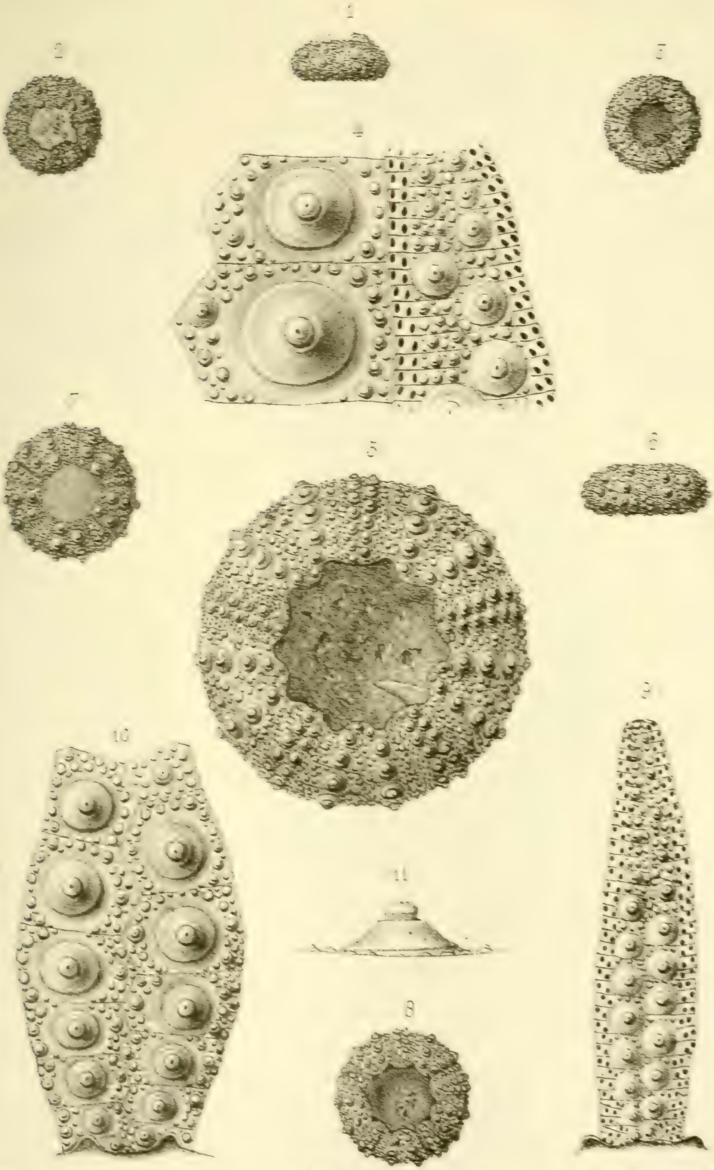
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Diademopsis Pacomei, Cotteau. Infra-lias.



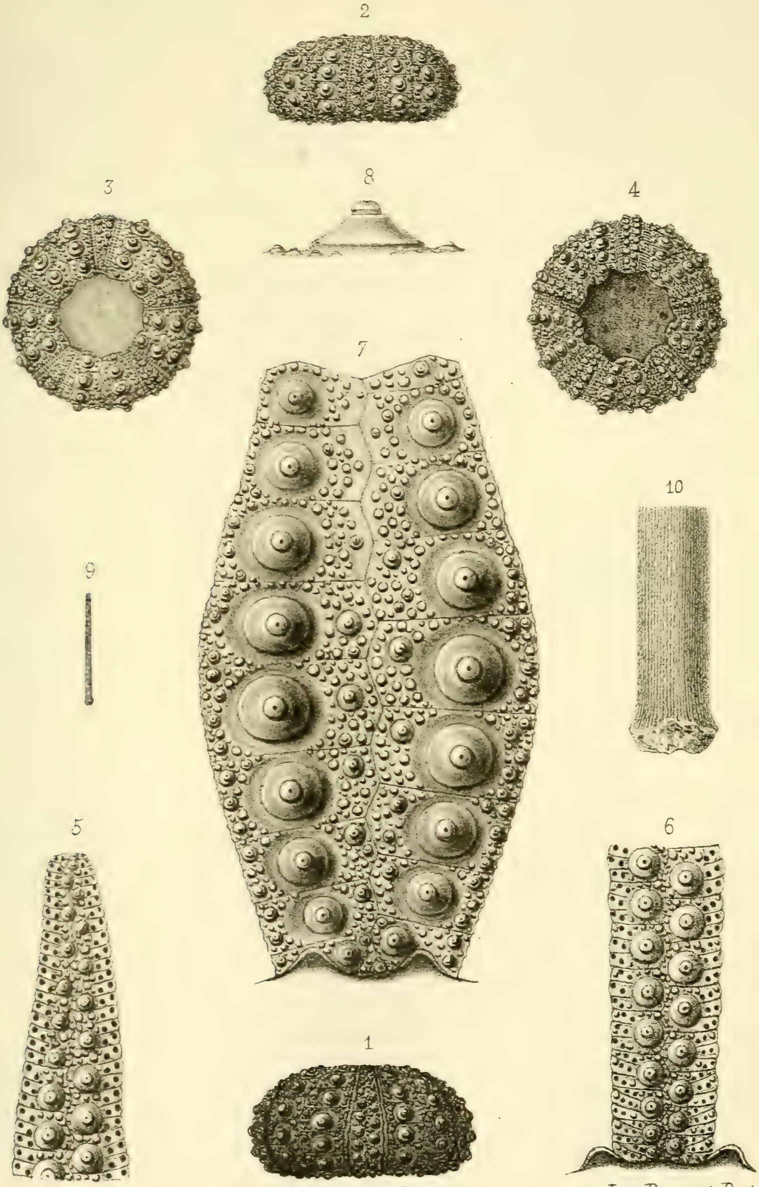
Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

Hemipedina icaunensis, Cotteau. Bajocien et bathonien.



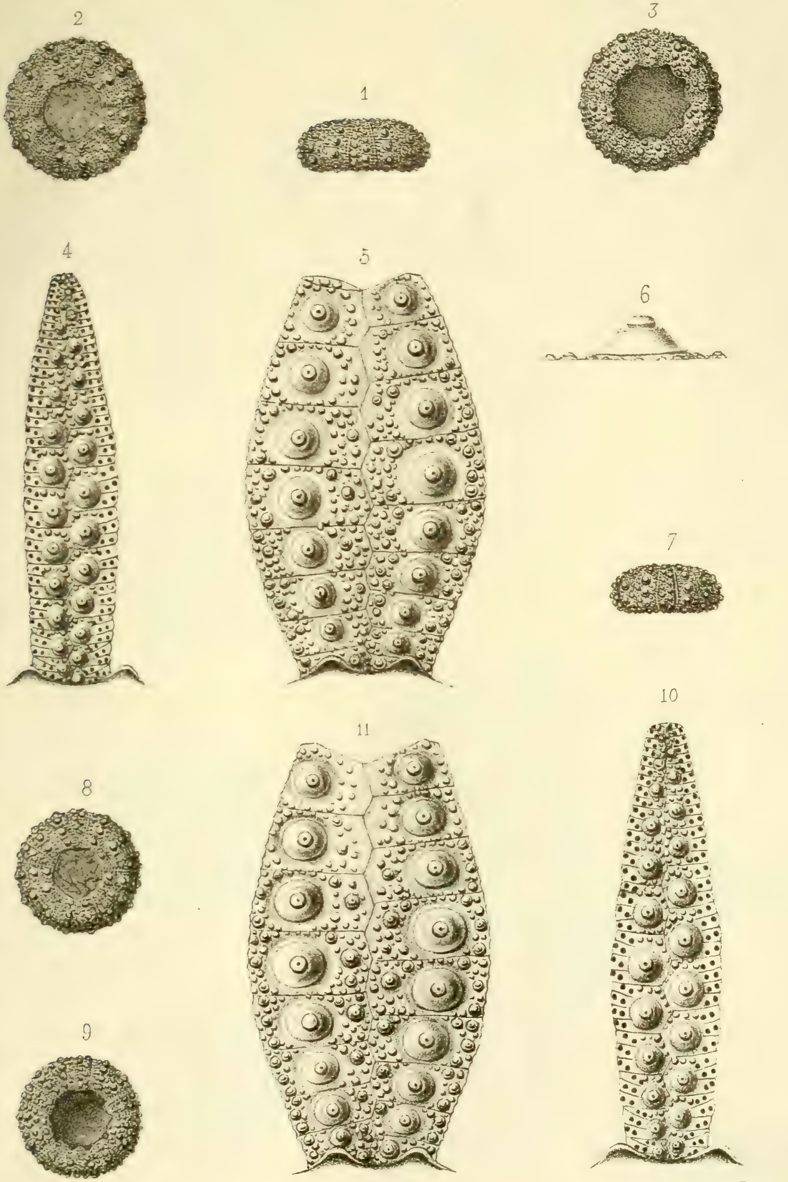
Humbert lith. G. Masson Editeur Imp. Becquet Paris

1_5. *Hemipedina Ferryi*, Cotteau. Bathonien.
6_11. *H. ——— aspera*, Desor.



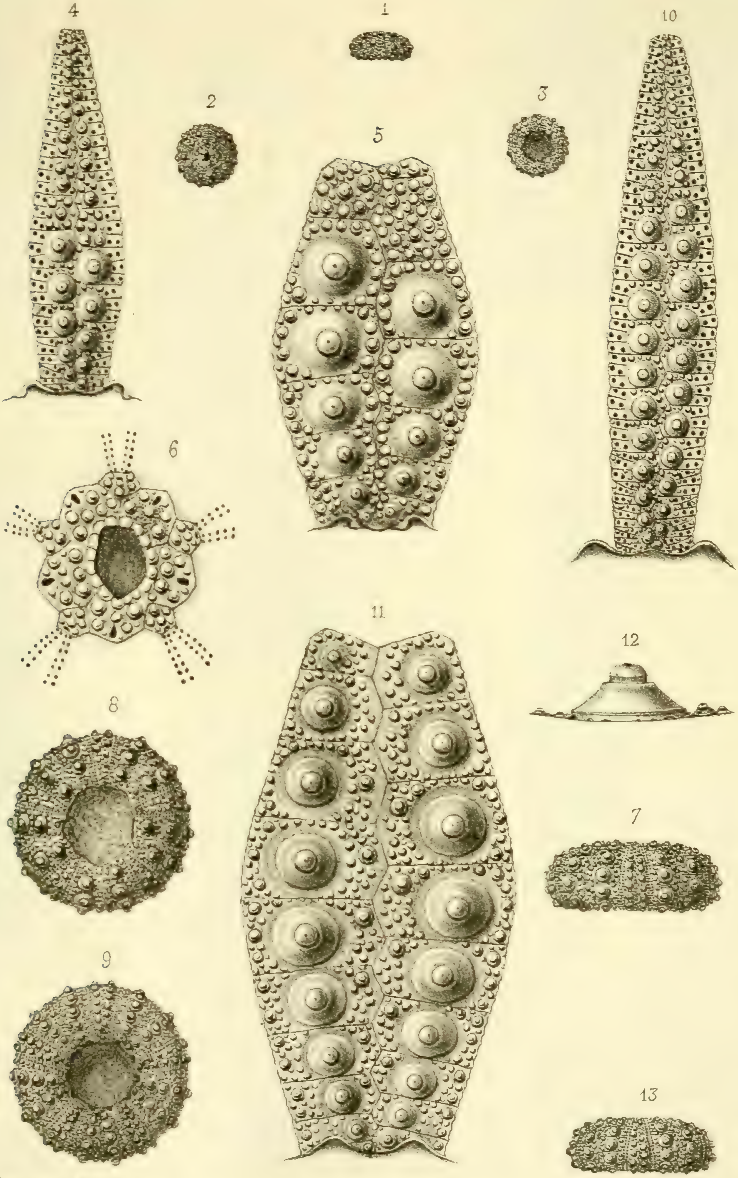
Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Hemipedina Chalmasi, Cotteau. Bajocien et bathonien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

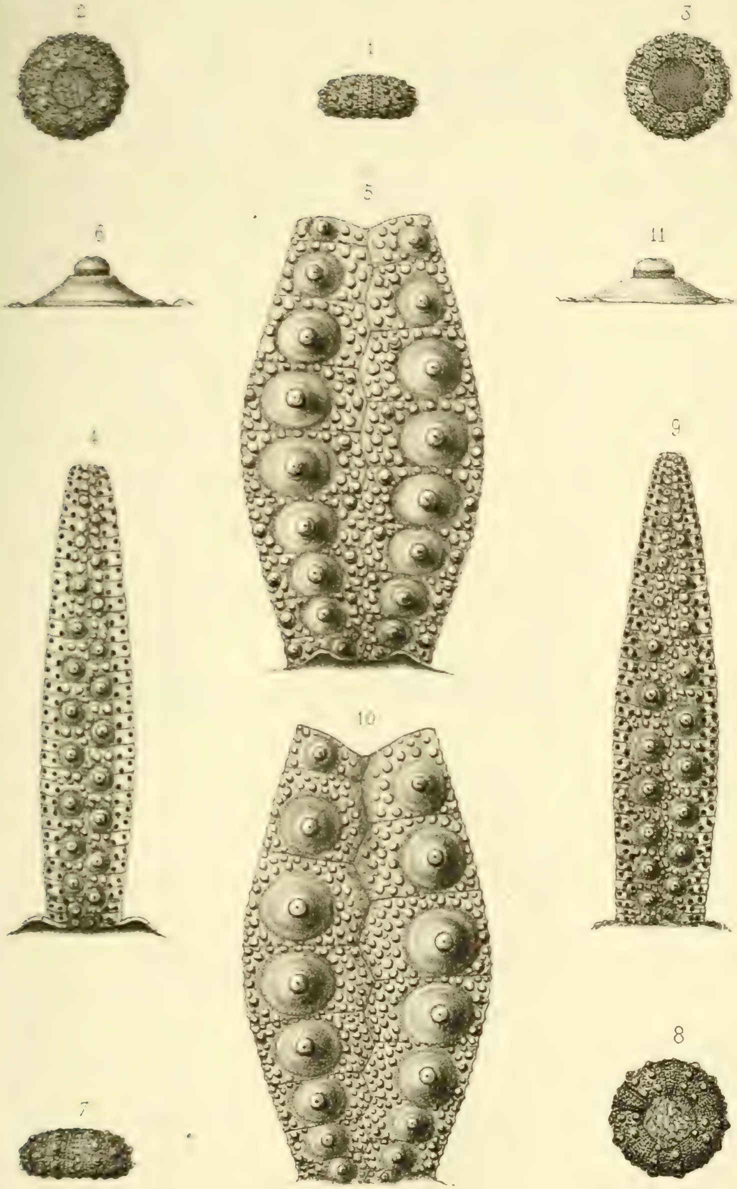
Hemipedina elegans, Desor. Bathonien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

1 _ 6. *Hemipedina bathonica*, *Cotteau. Bathonien.*

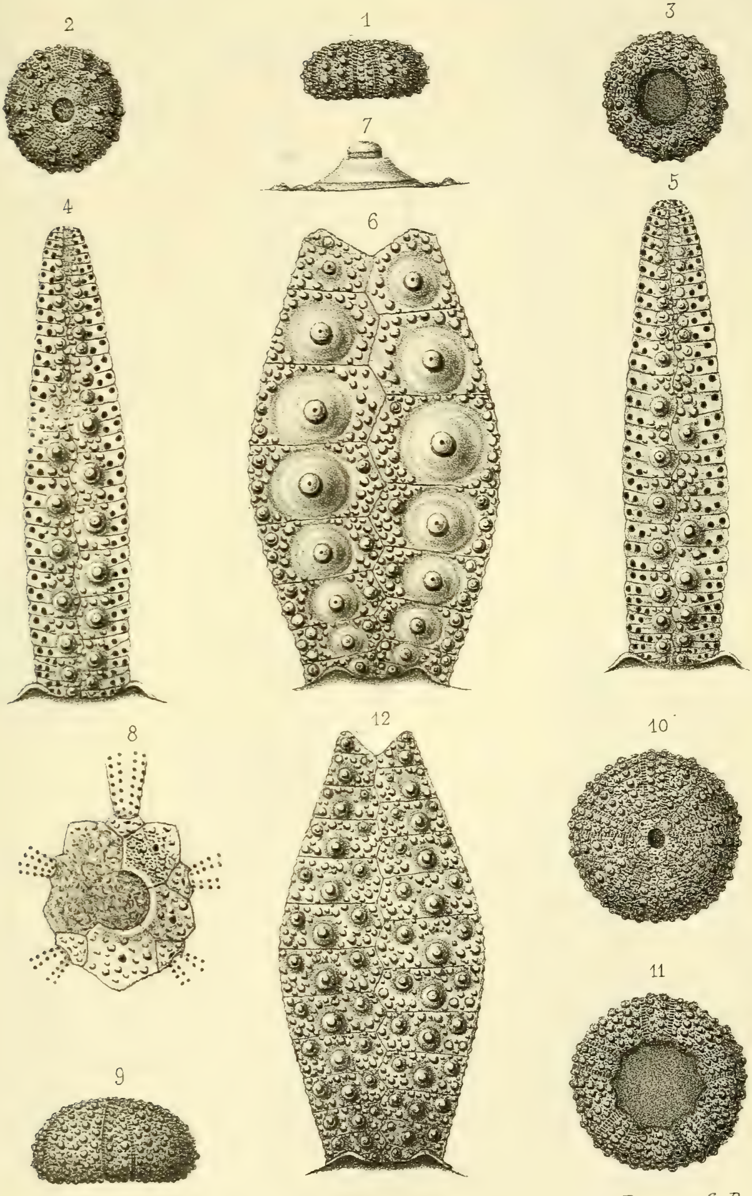
7 _ 13. *H. ——— Nodoti*, ——— *Callovien.*



Humbert lith. — G. Masson, Editeur. — Imp. Becquet fr. Paris.

1 – 6. *Hemipedina pulchella*, Cotteau. Bathonien.

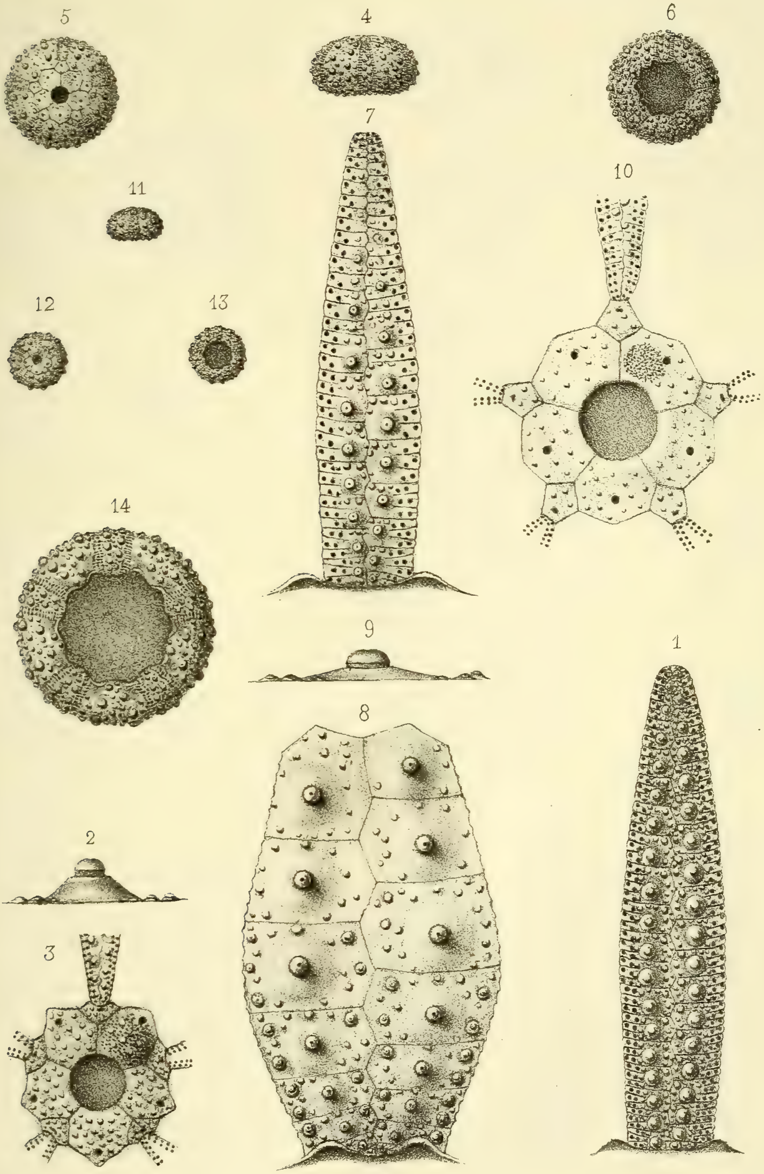
7 – 11. *H.* ——— *propinqua*, ——— ———



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

1_8. Hemipedina Woodwardi, Wright. Bathonien.

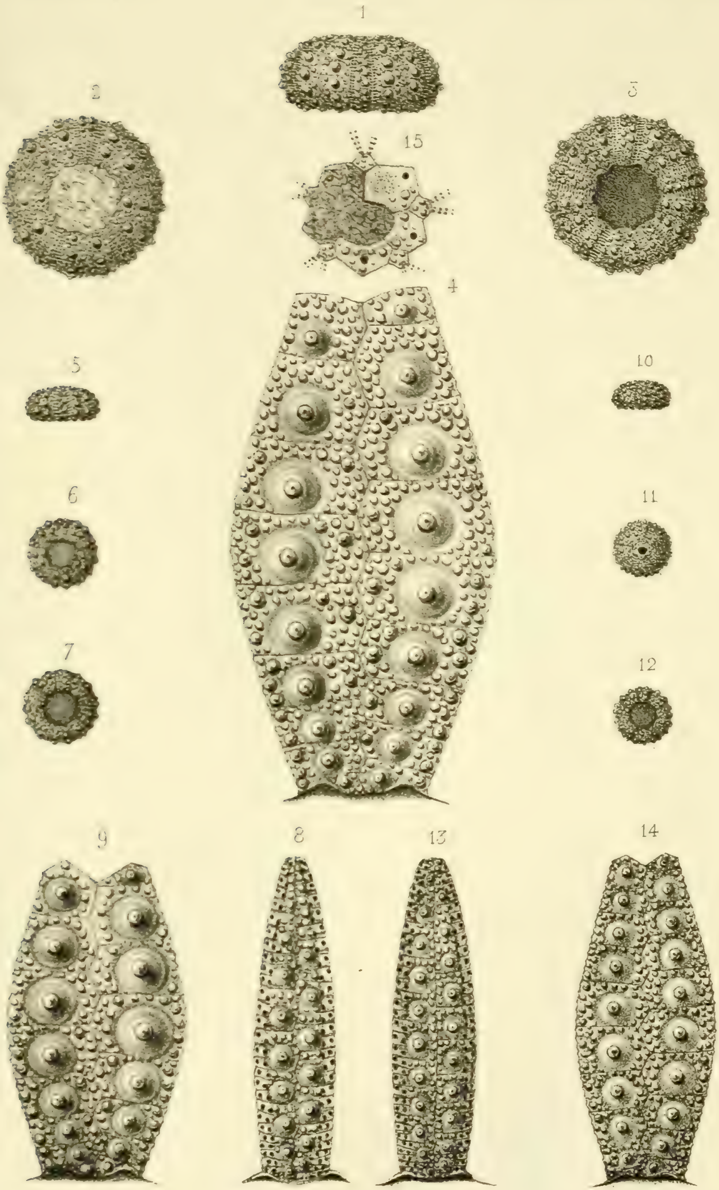
9_12. H. ———— Sœmanni, ——— Corallien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

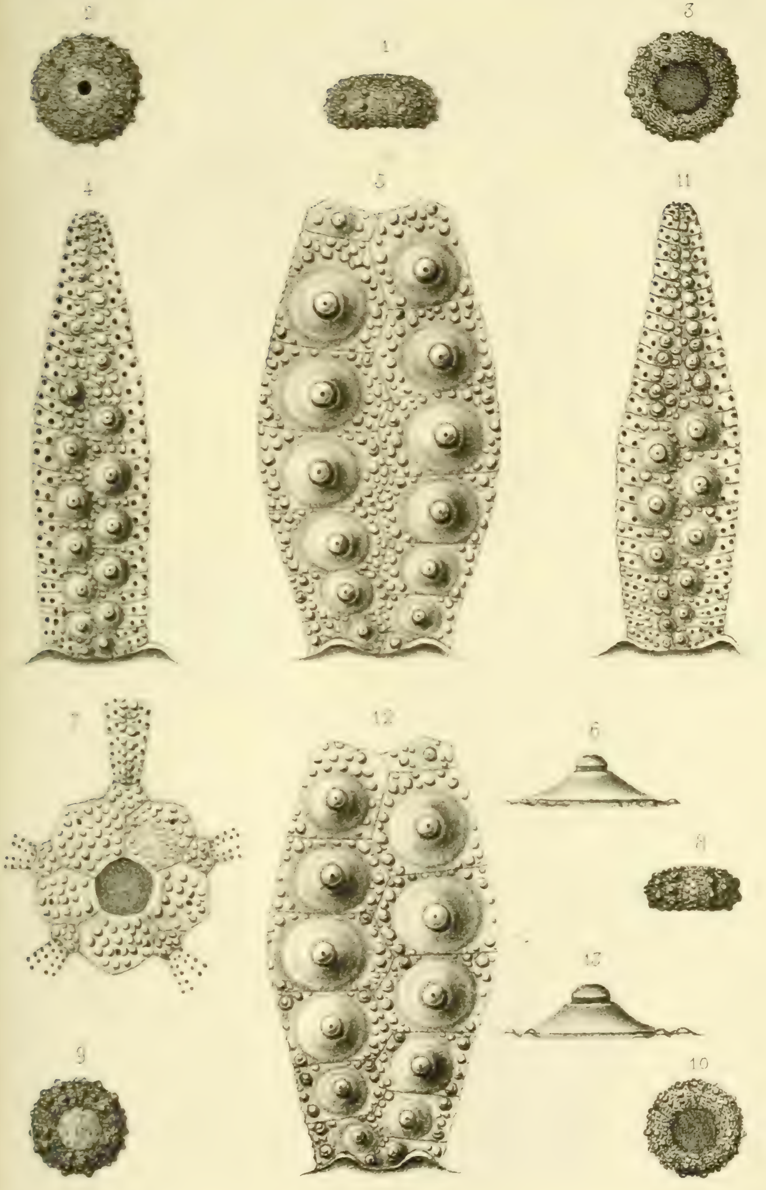
1_3. Hemipedina Sœmanni, Wright. Corallien.

4_14. H. ——— Guerangeri, Cotteau. Corallien et Oxfordien.



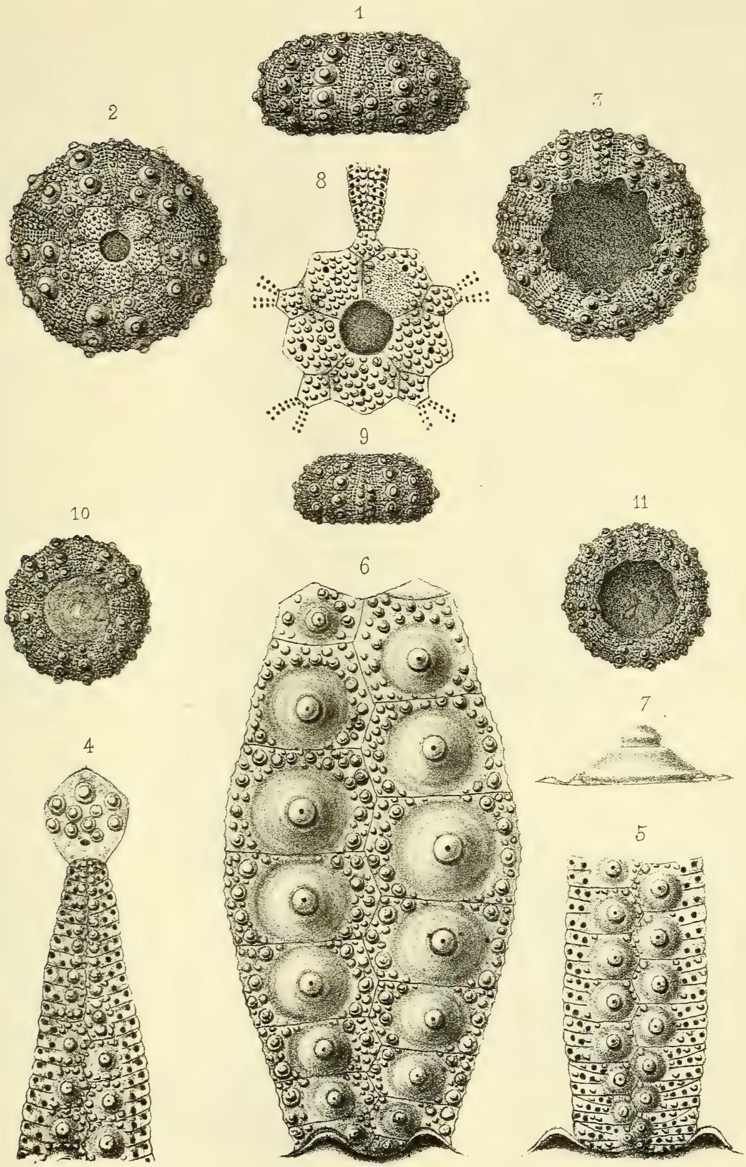
Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris*

1 _ 4. Hemipedina Nodoti, Cotteau. Callovien.
5 _ 9. H. ———— gigniacensis, —— Oxfordien.
10 _ 15. H. ———— Letteroni, ——— Corallien sup.



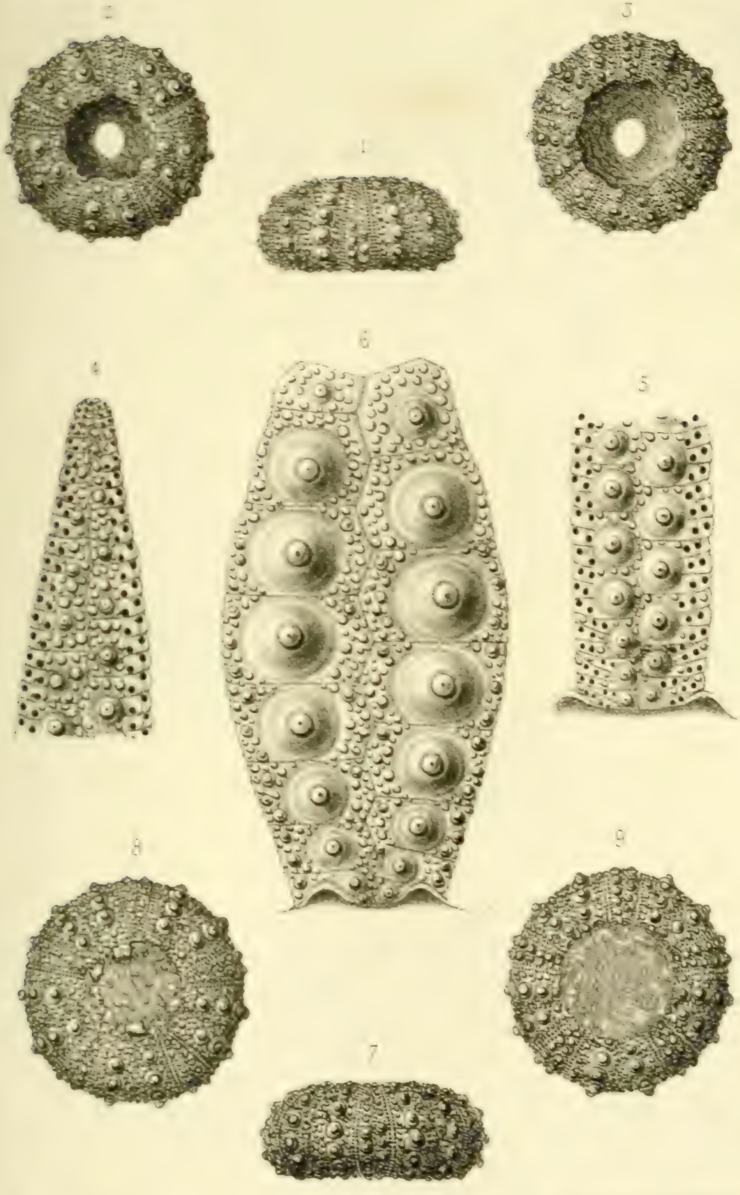
Humbert lith — G. Masson, Editeur. — *Imp. Becquet fr. Paris.*

1 – 7. Hemipedina montreuillensis, Cotteau. Oxfordien.
8 – 13. H. ——— rotula, Desor. ———



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Hemipedina tuberculosa, Wright. Corallien.



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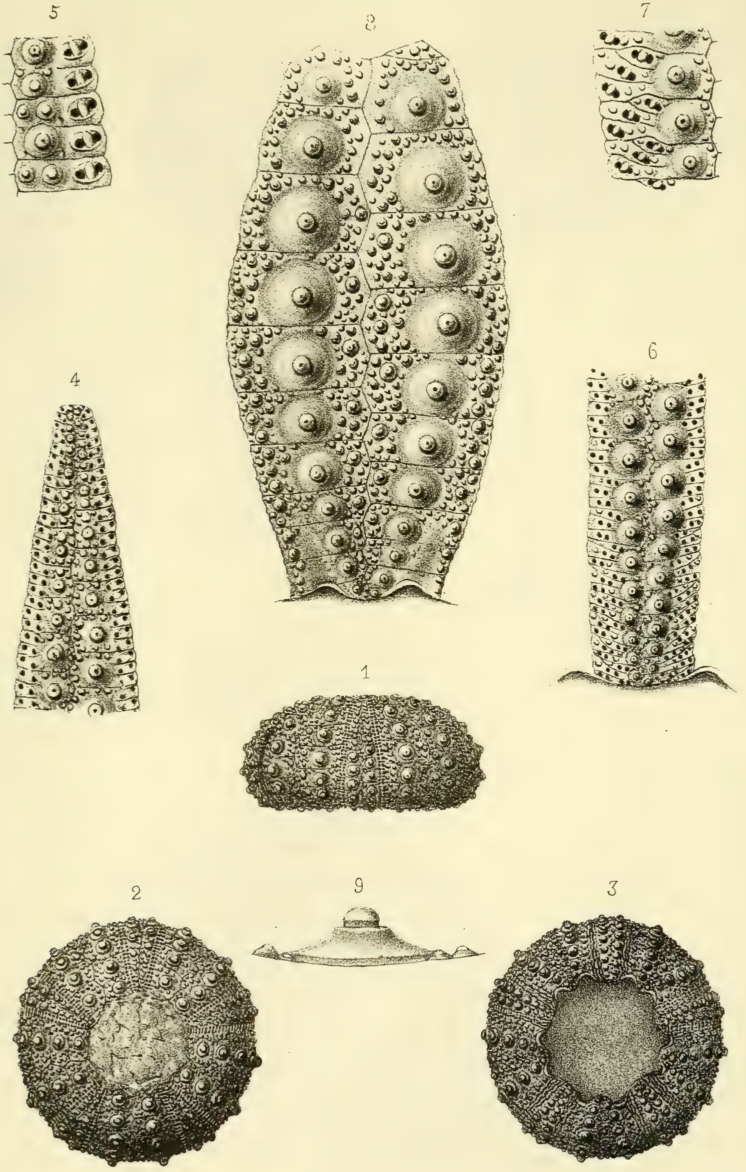
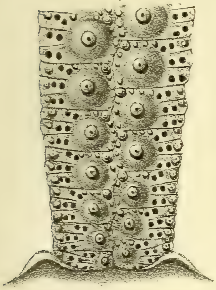
Hemipedina tuberculosa. Wright. Corallien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Hemipedina Beaugrandi, Rigaux. Portlandien.

4



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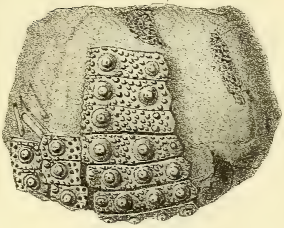

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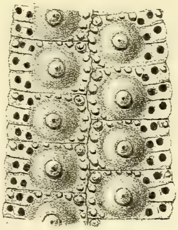

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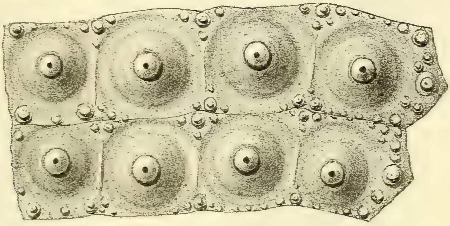

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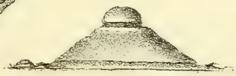

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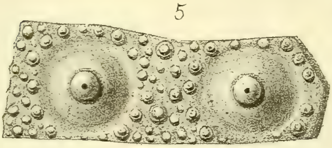

9

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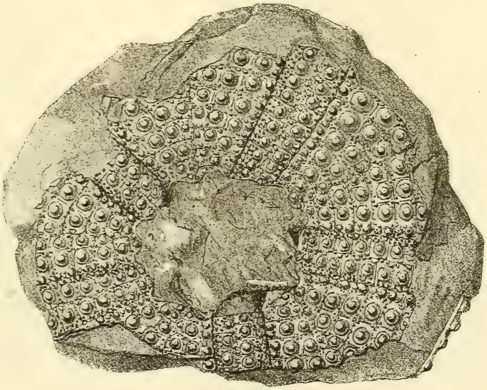
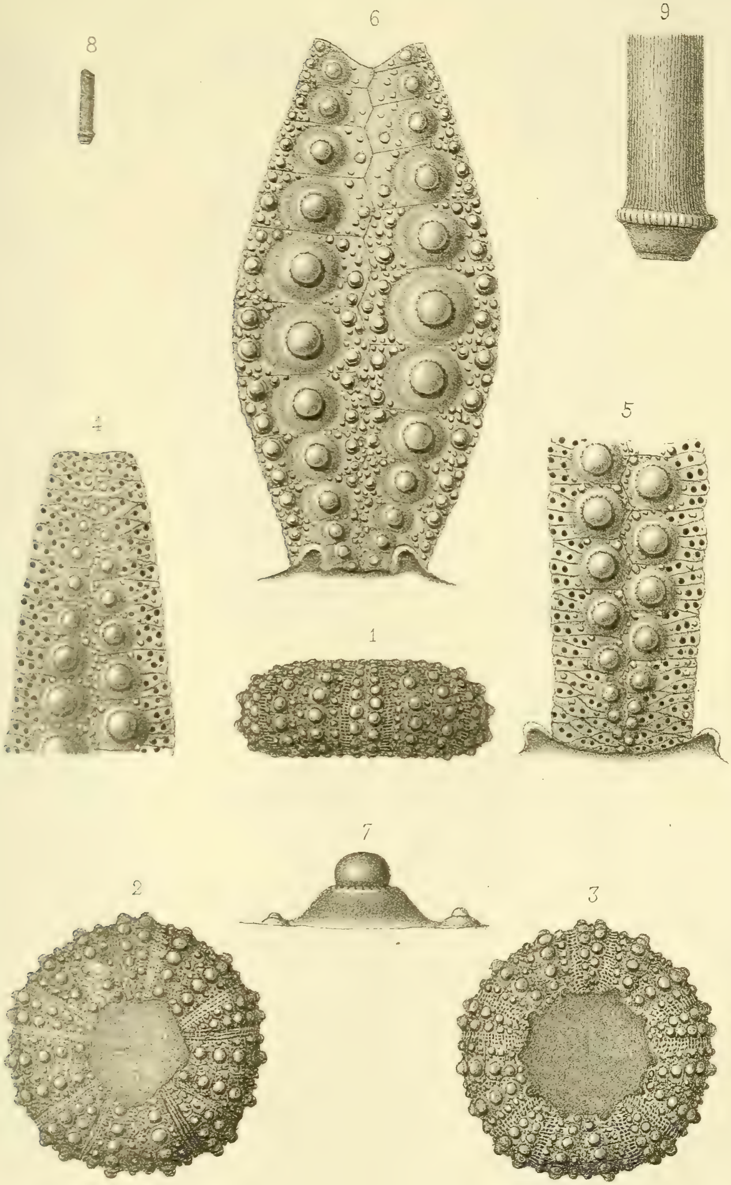


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Hemipedina Bouchardi, Wright. Portlandien.



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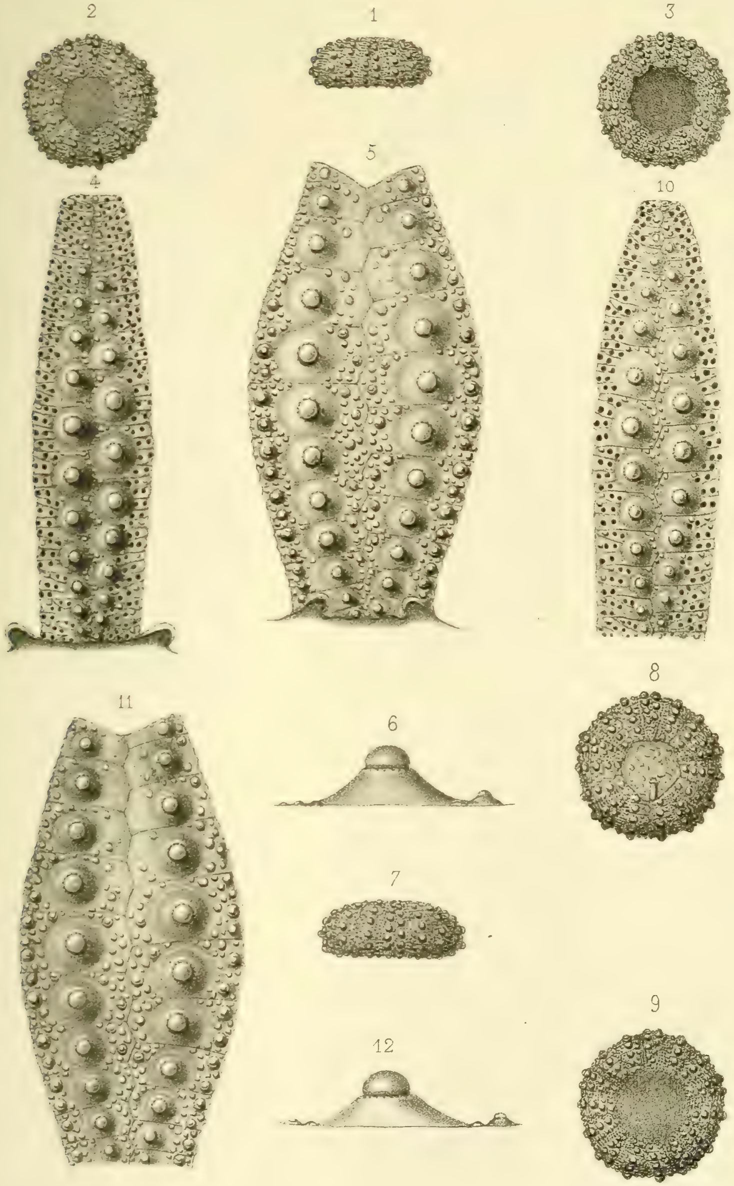
Cyphosoma Douvillei, Cotteau. Corallien.



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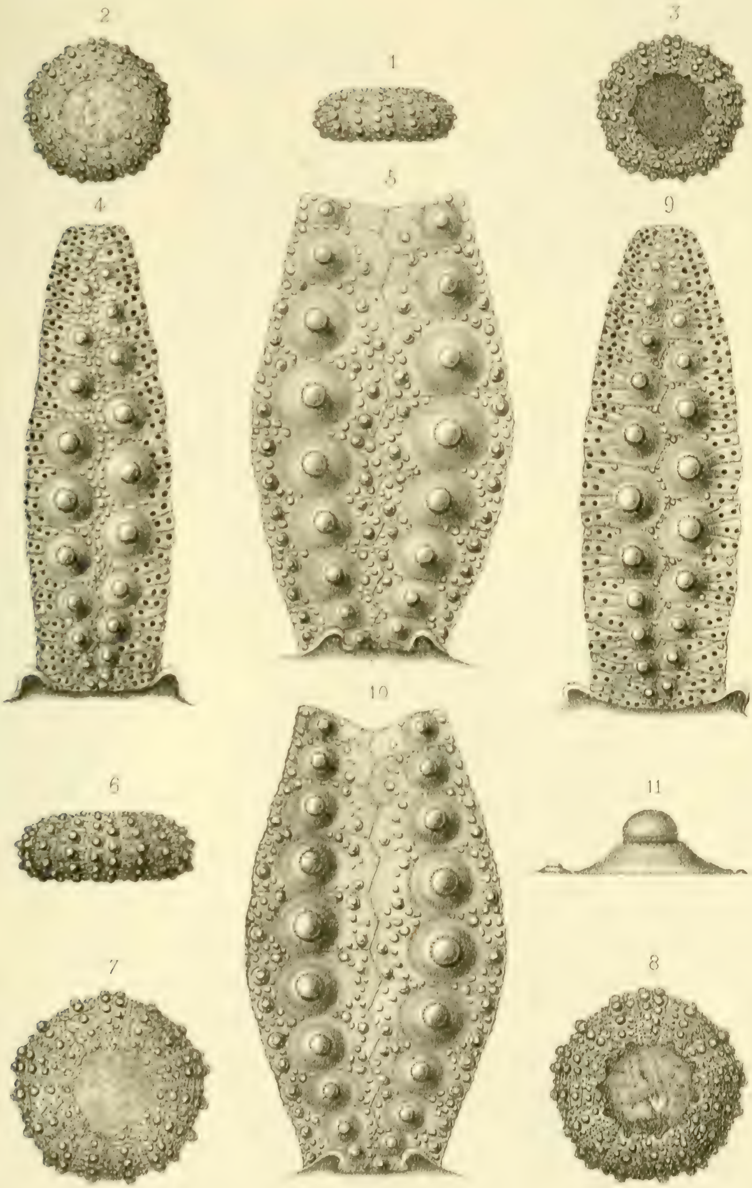
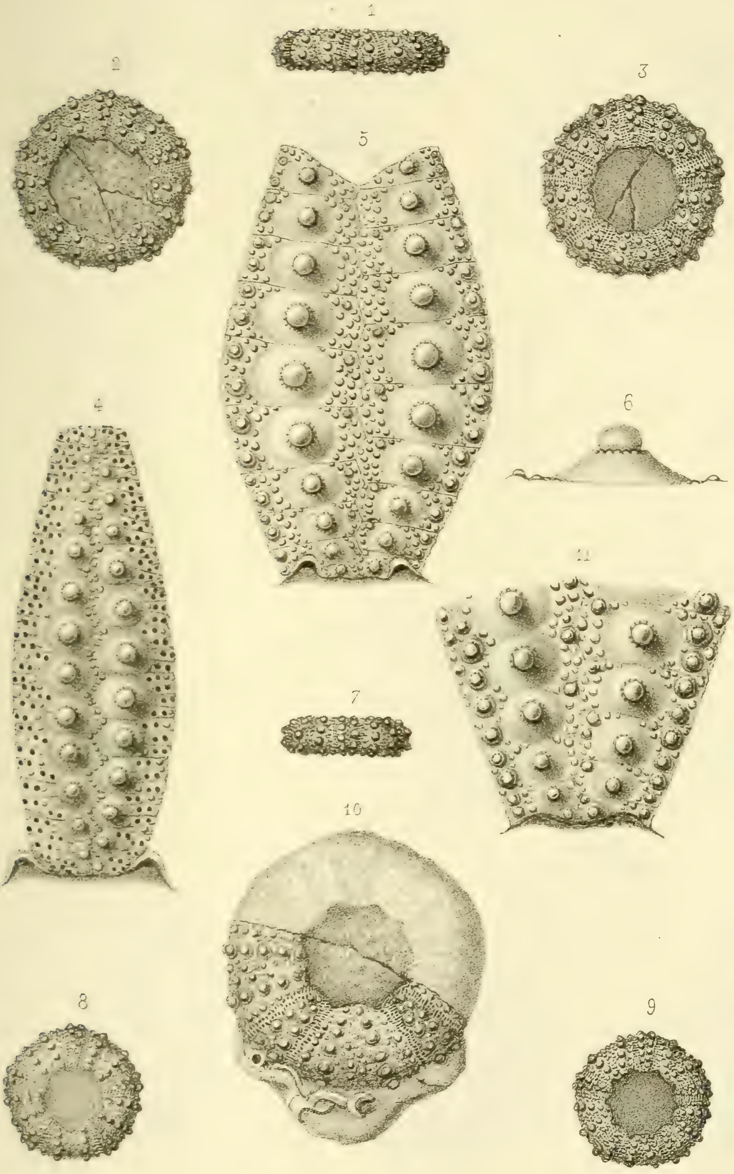
Cyphosoma supracorallinum, Cotteau. Kimméridgien.



Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris.

1 _ 5. *Cyphosoma supracorallinum*, *Cotteau*. *Kimméridgien*.

6 _ 11. *C.* ——— *Morierei*, ——— *Corallien*.



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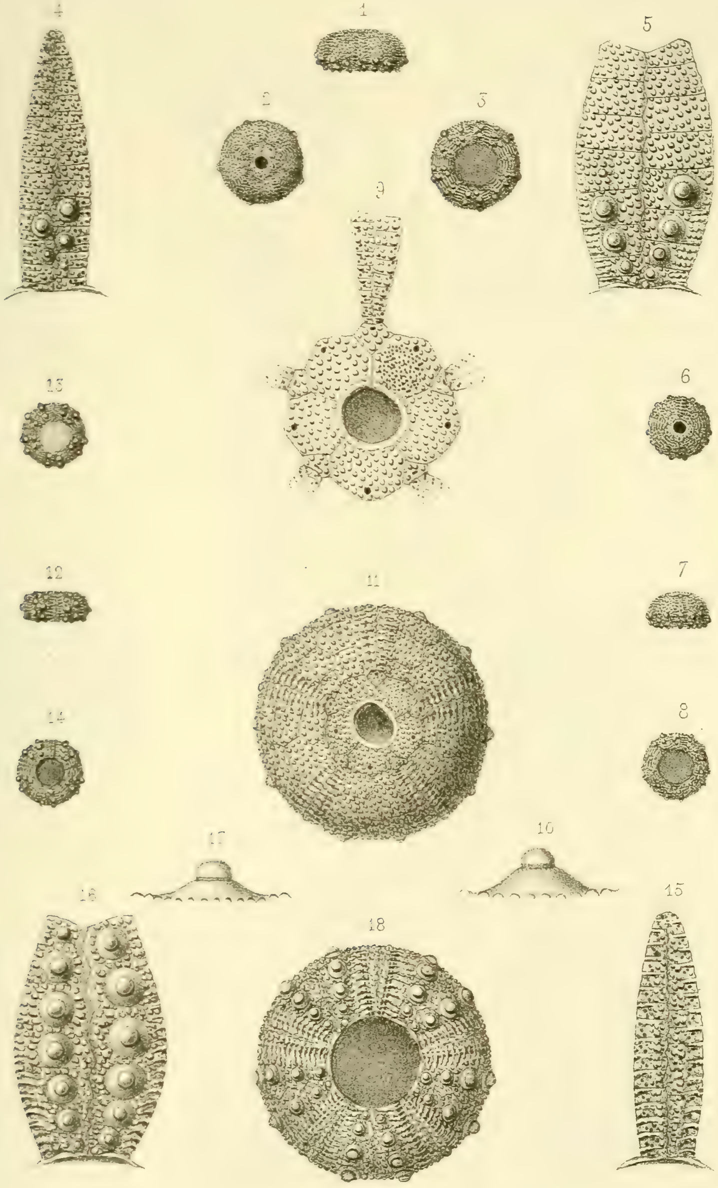
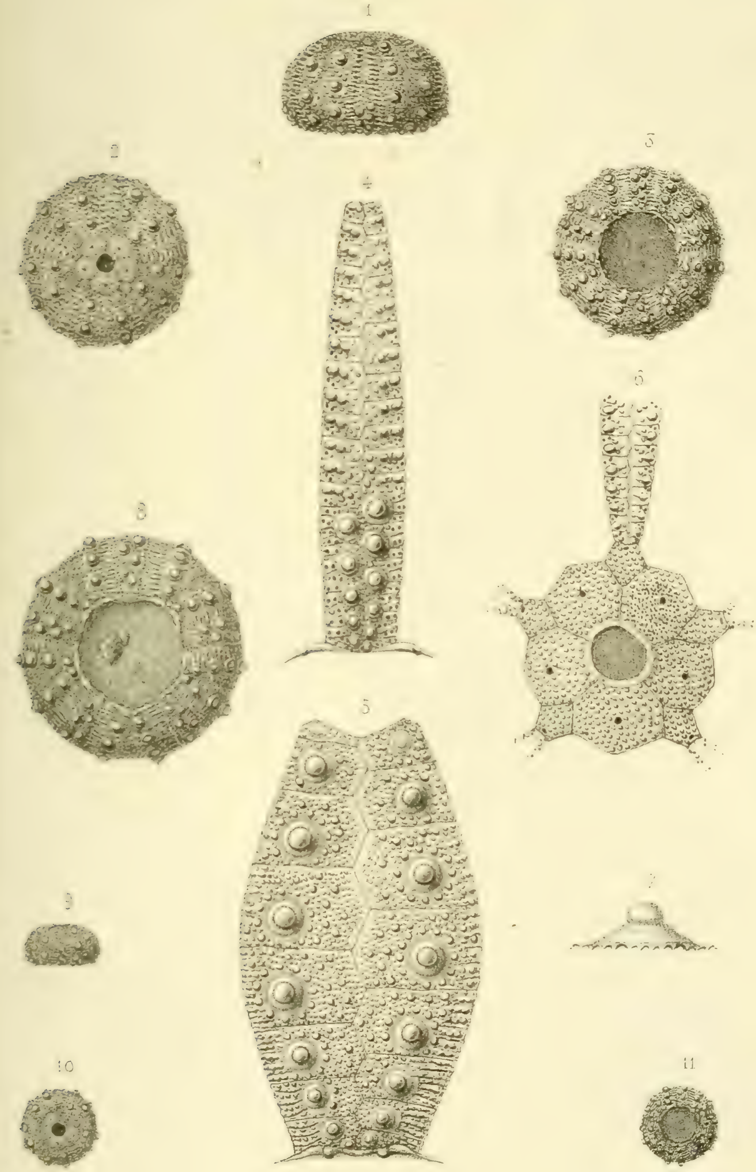
Cyphosoma Legayi, Rigaux. Portlandien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

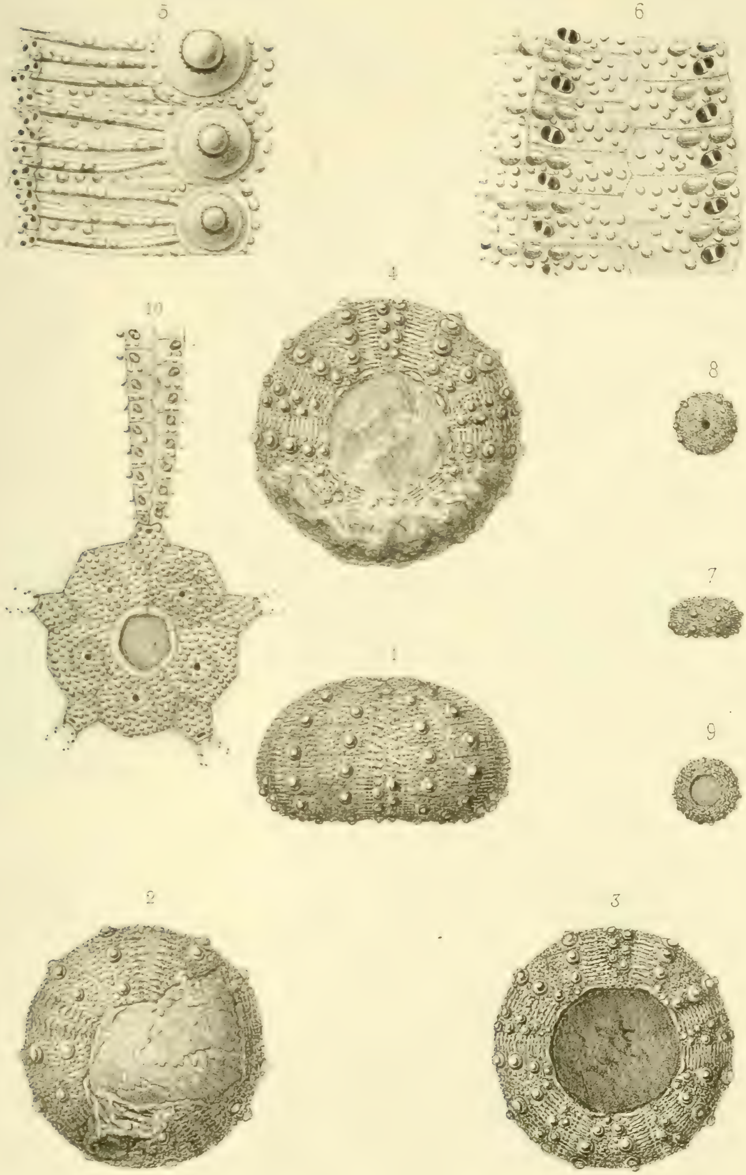
1 _ 11. Pleurodiadema Gauthieri, Cotteau. Oxfordien.

12 _ 18. P.__________ Jutieri, ______ Liasien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Pleurodiadema Stutzi, de Loriol. Oxfordien.



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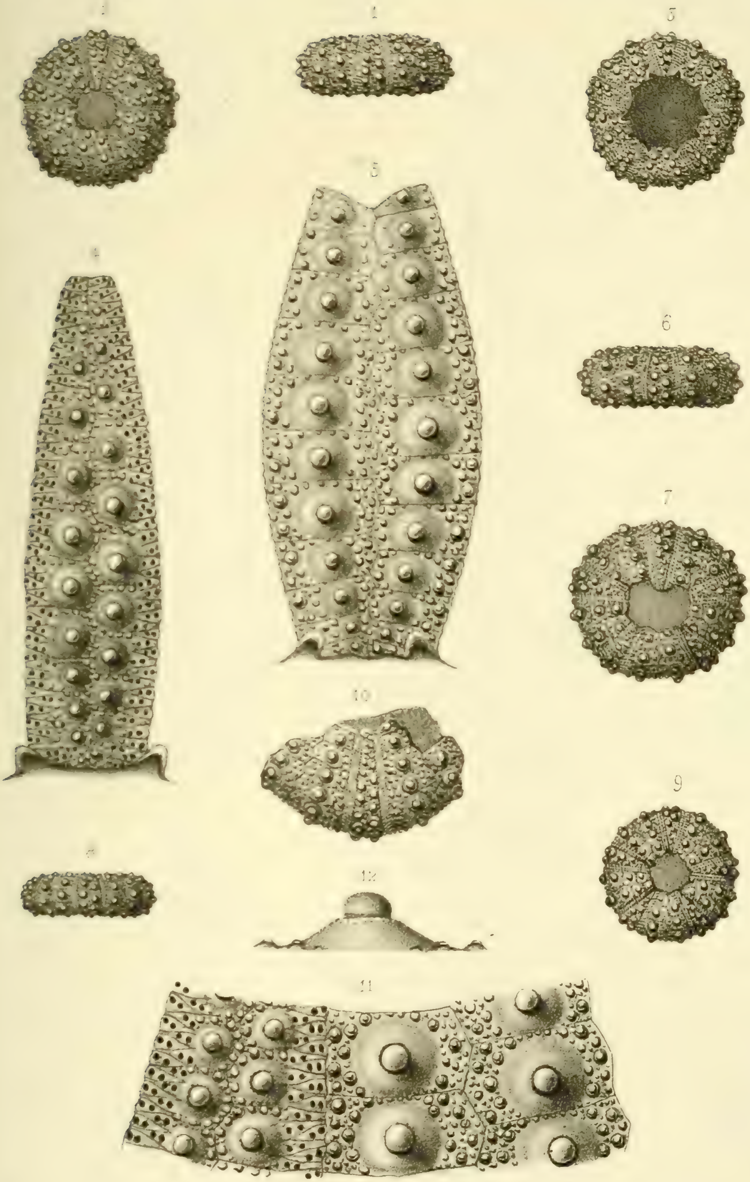
Pleurodiadema Stutzi, de Loriol. Oxfordien.



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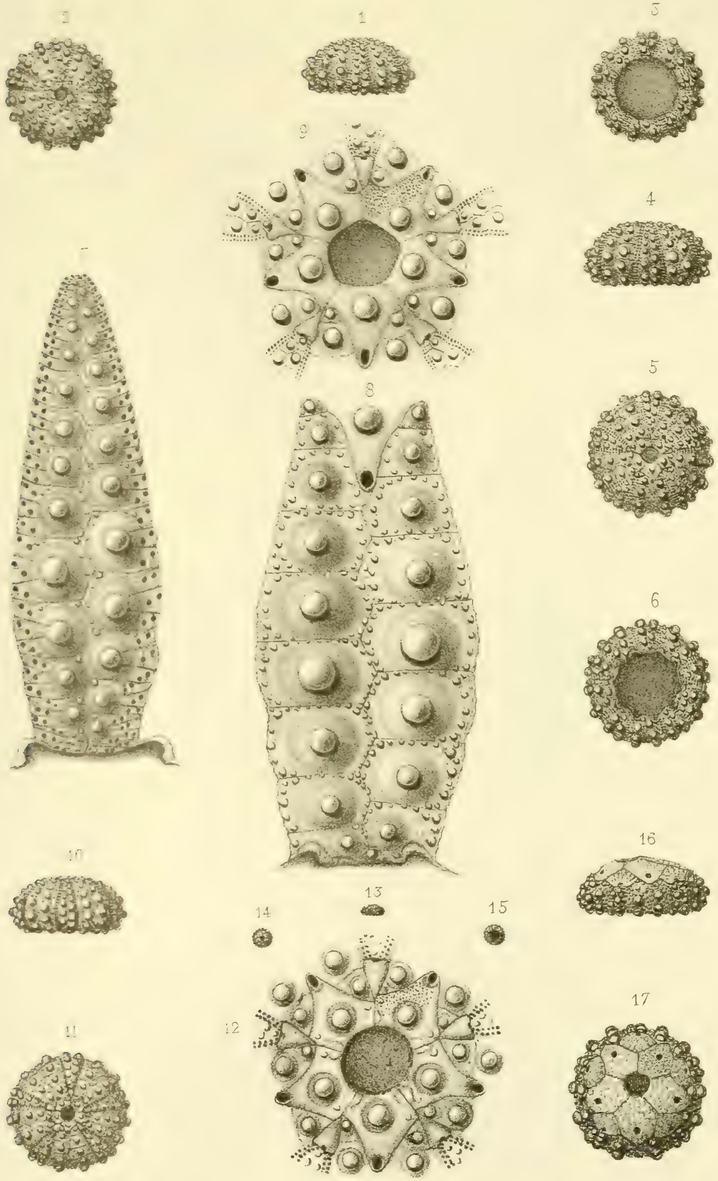
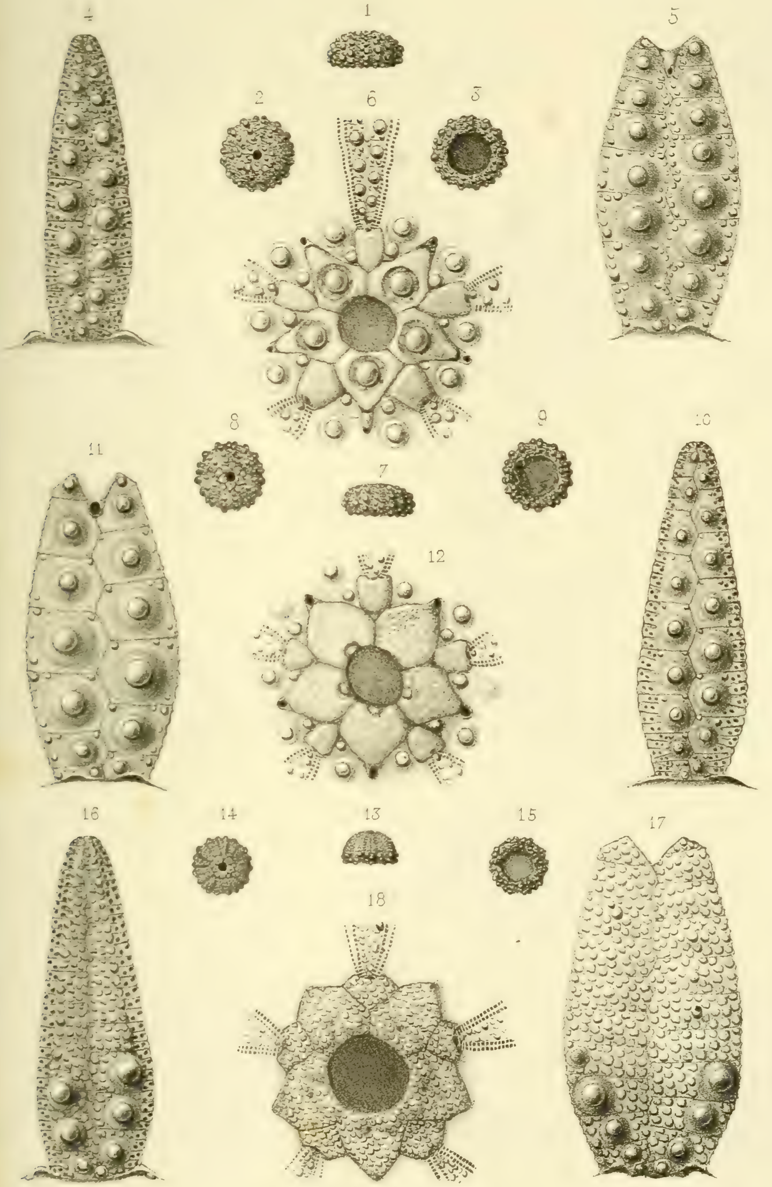
Leiosoma Jauberti, Cotteau. Bajocien et bathonien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Acropeltis æquituberculata, Agassiz. Corallien inf. et sup.

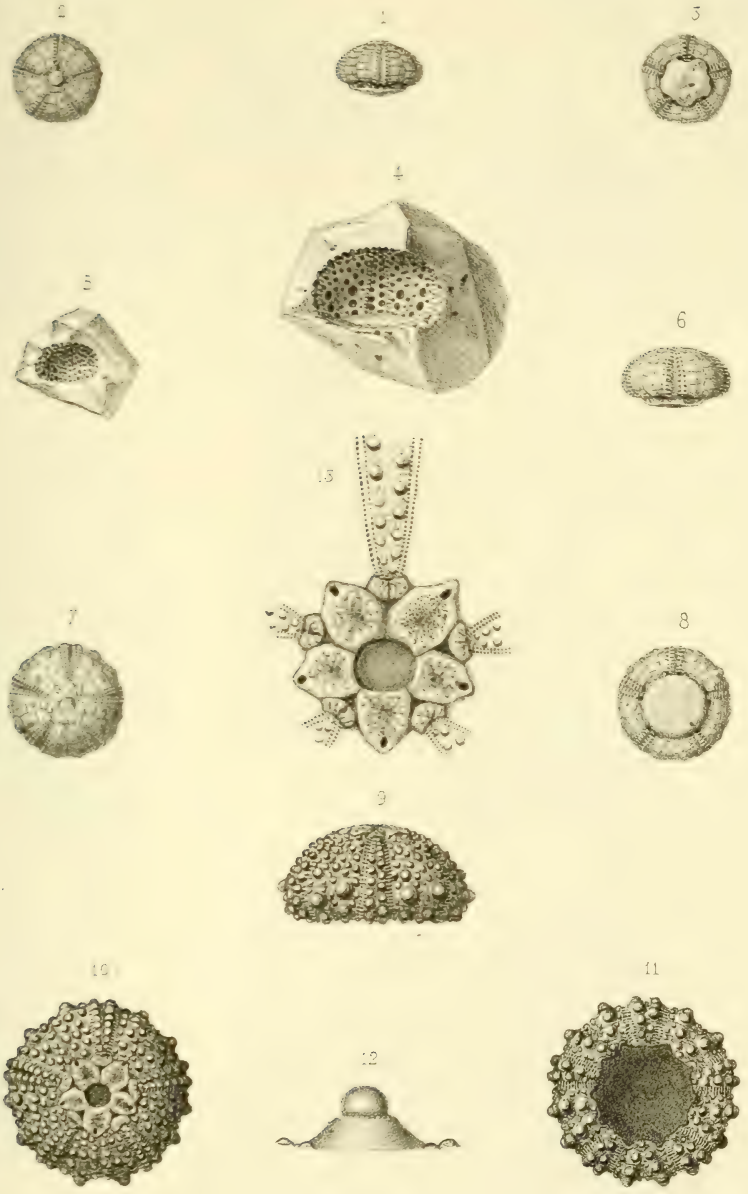


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

1 _ 6. *Acropeltis æquituberculata*, *Agassiz. Corallien sup.*

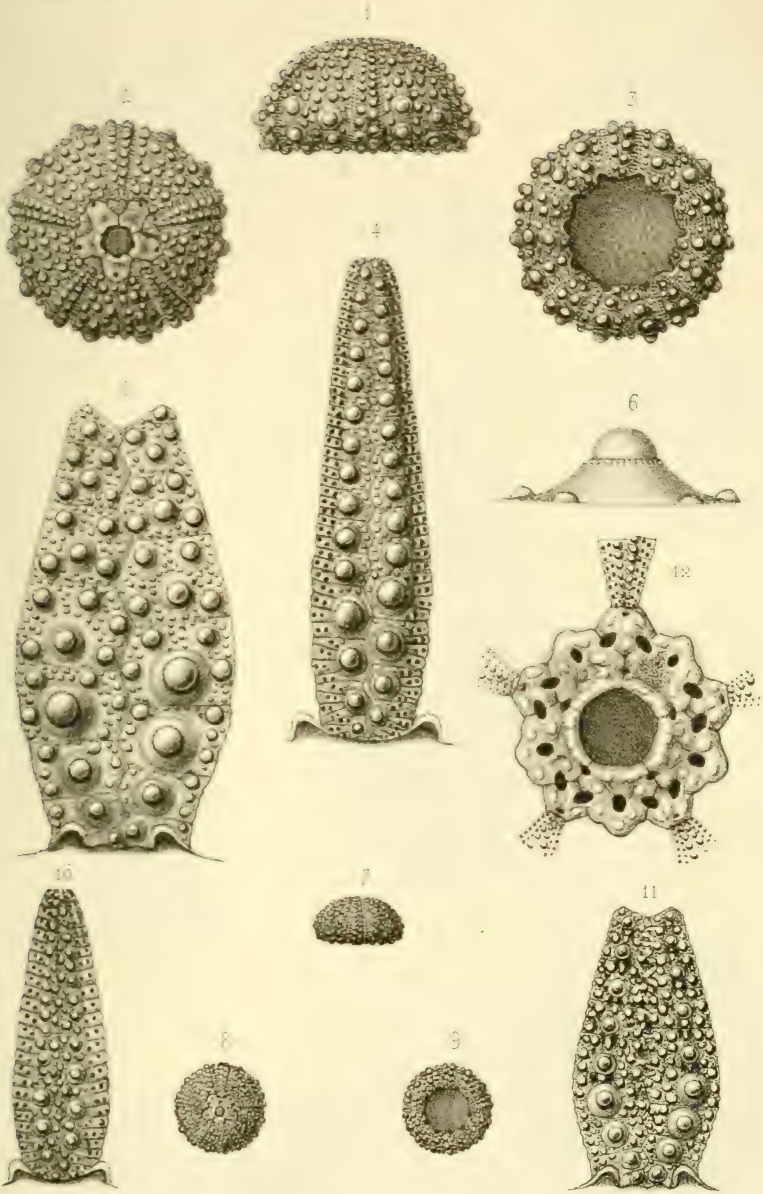
7 _ 12. *Goniopygus Pilleti*, *Cotteau. Corallien sup.*

13 _ 18. *Codiopsis Pilleti*, ——— ————



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

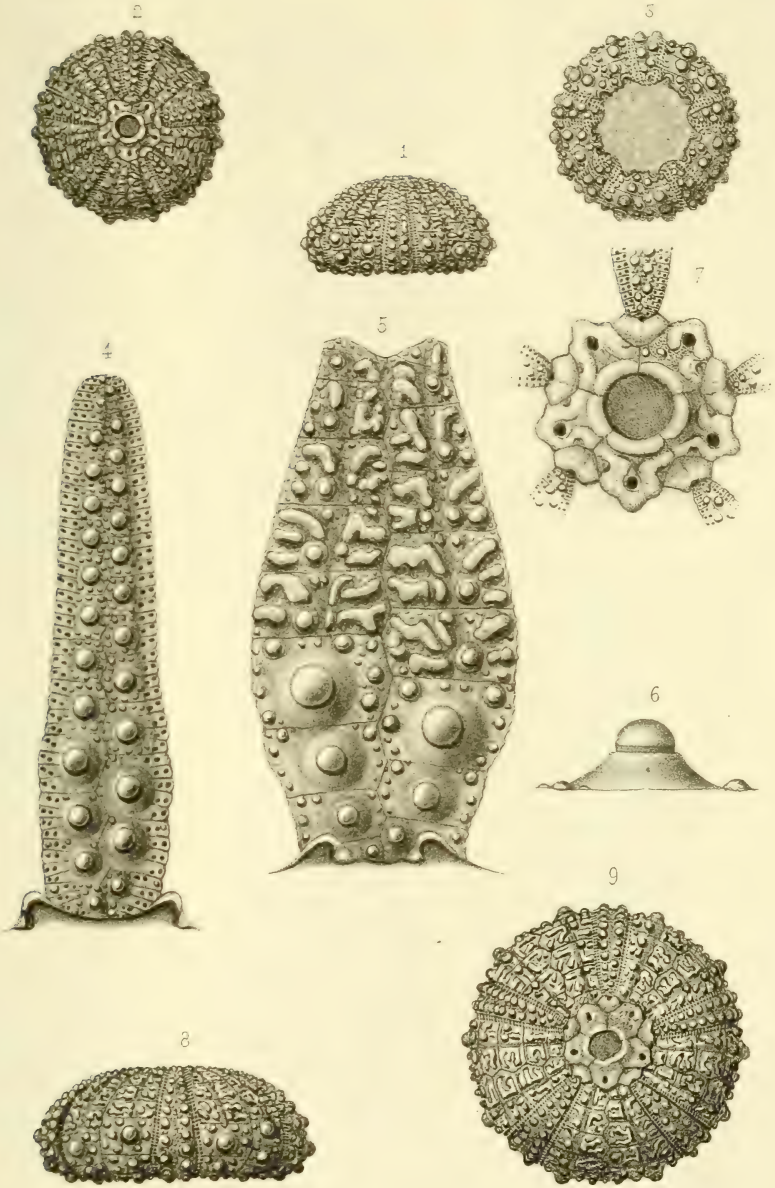
1 – 8. Glypticus censoriensis, Cotteau. bathonien.
9 – 13. G. ——— burgundiacus, Michelin. Callovien.



Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris.

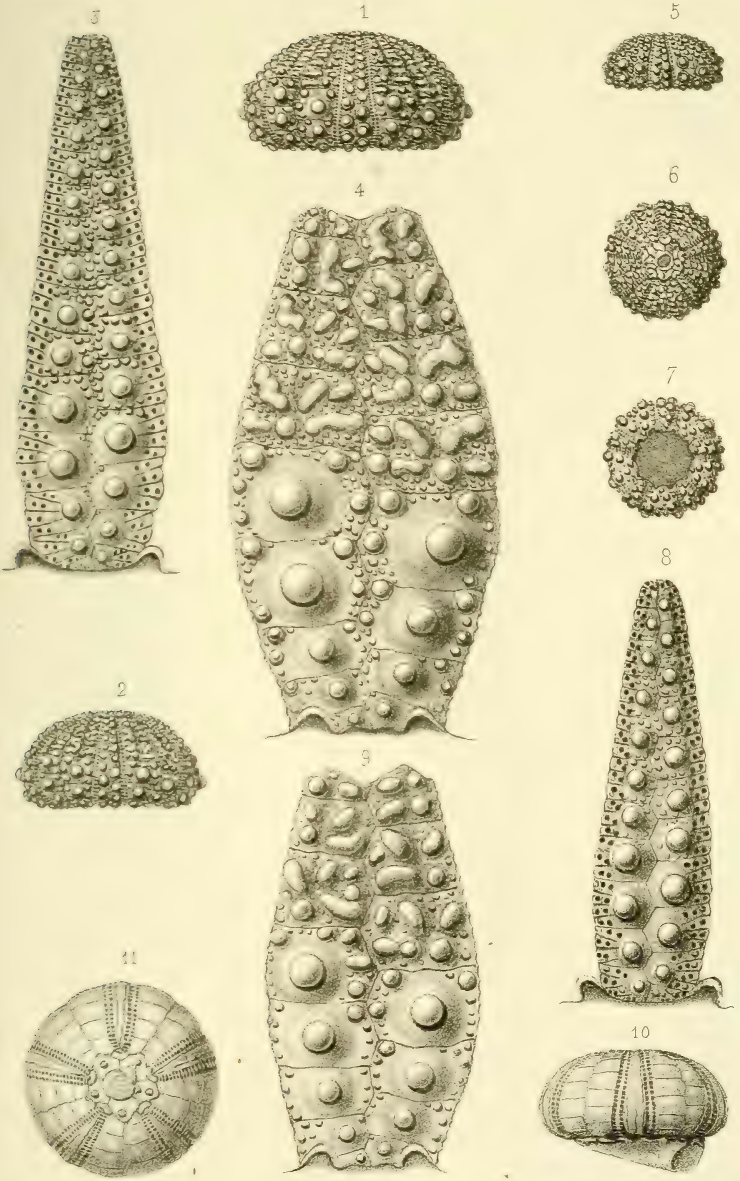
1 _ 6. Glypticus burgundiacus, Michelin. Callovien.

7 _ 12. G. _ _ _ _ Kaufmanni, de Loriol. Corallien inf.



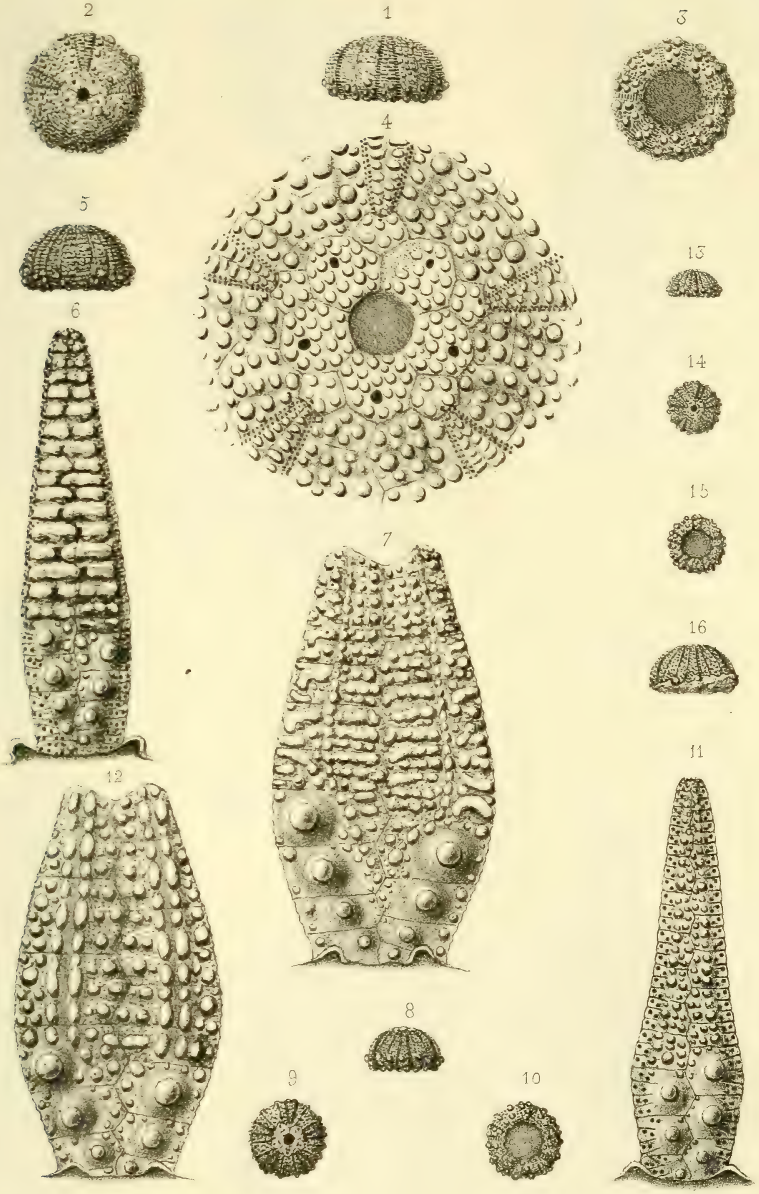
Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Glypticus hieroglyphicus (Goldfuss), Agassiz. Corallien inf.



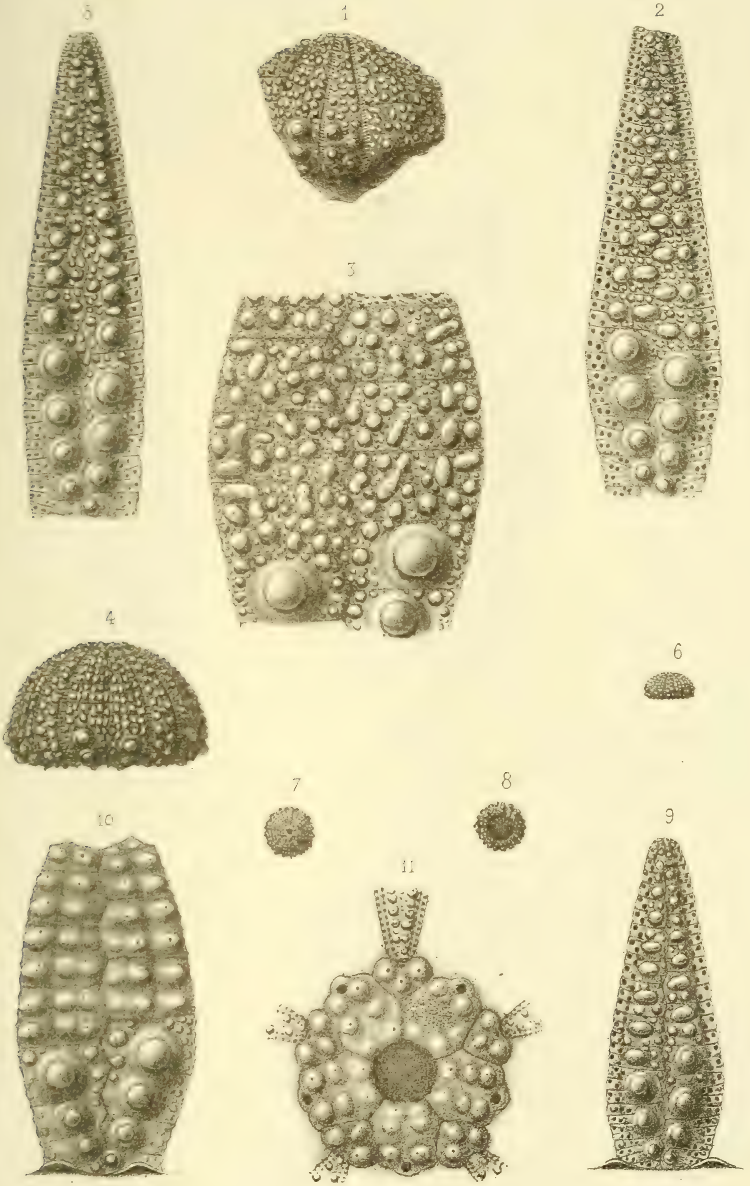
Humbert lith.   G. Masson. Editeur.   *Imp. Becquet fr. Paris.*

Glypticus hieroglyphicus (Goldfuss), Agassiz. Corallien inf.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

1 _ 7. Glypticus integer, Desor. Corallien sup.
8 _ 16. G. ——— sulcatus (Goldfuss), Agassiz ——



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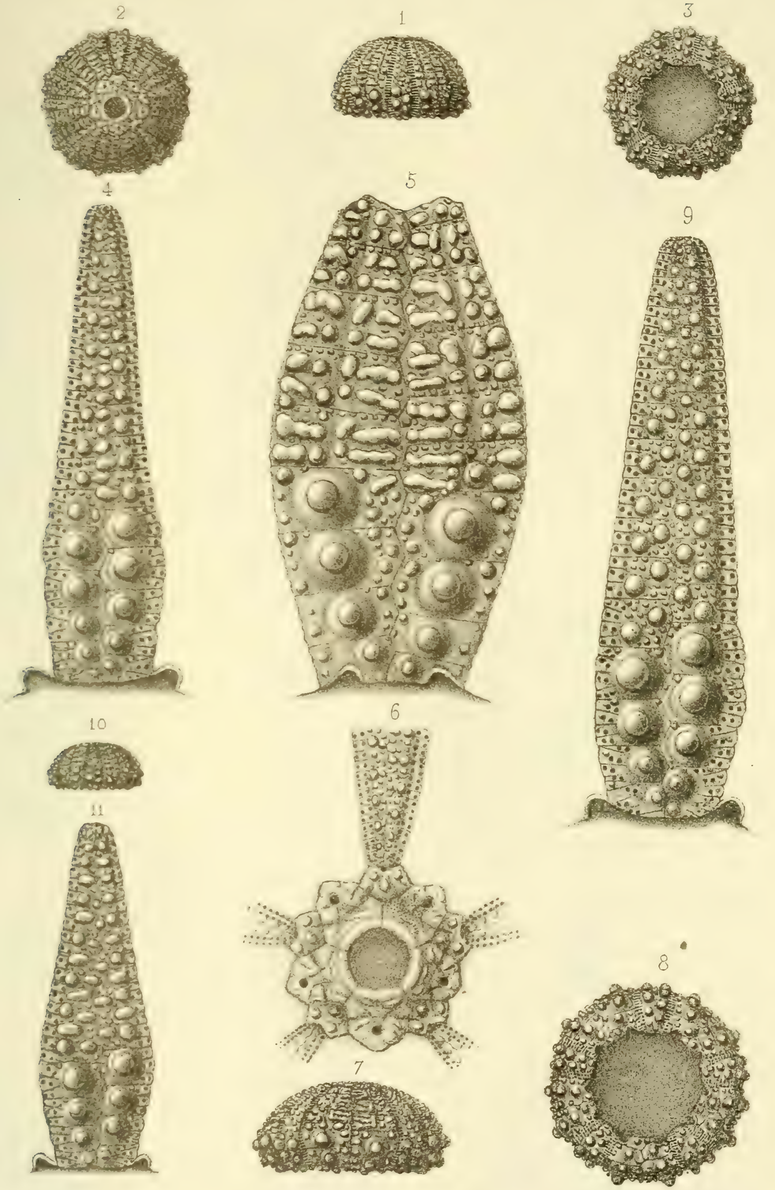
Glypticus Loryi, de Loriol. Corallien sup.



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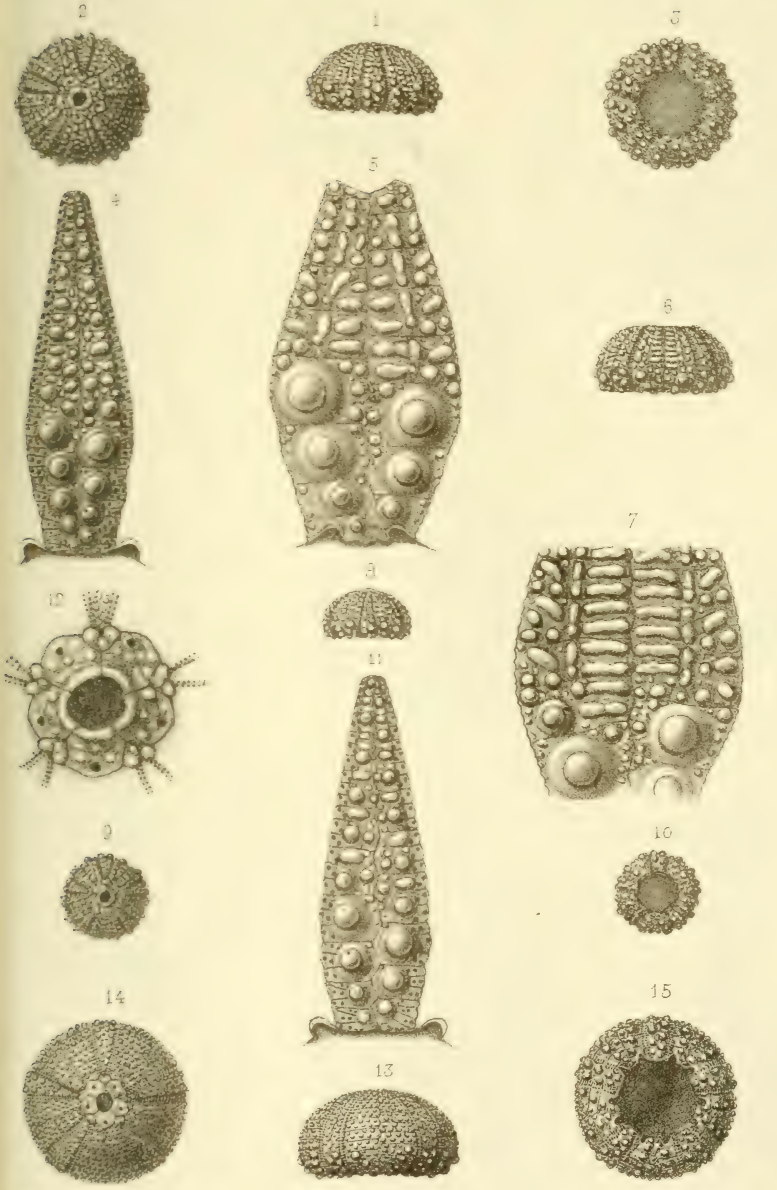
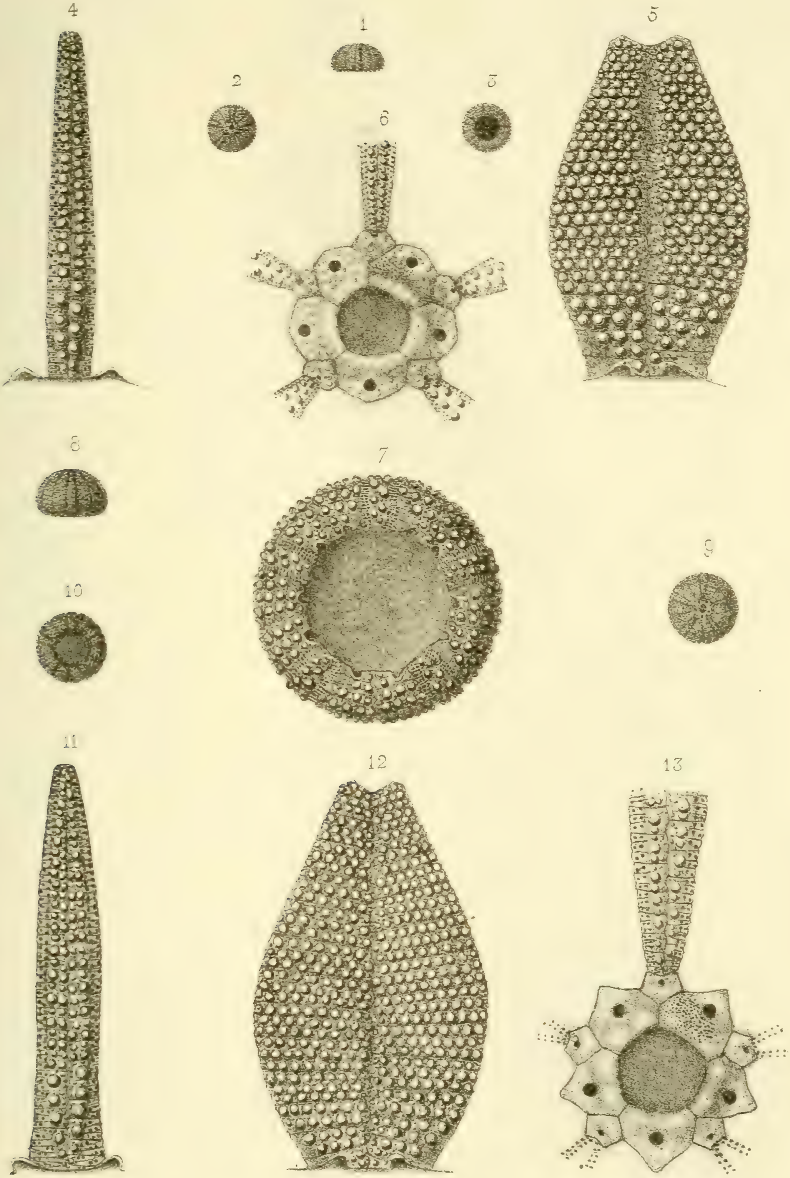
Glypticus Lamberti, Cotteau. Corallien inf. et sup.



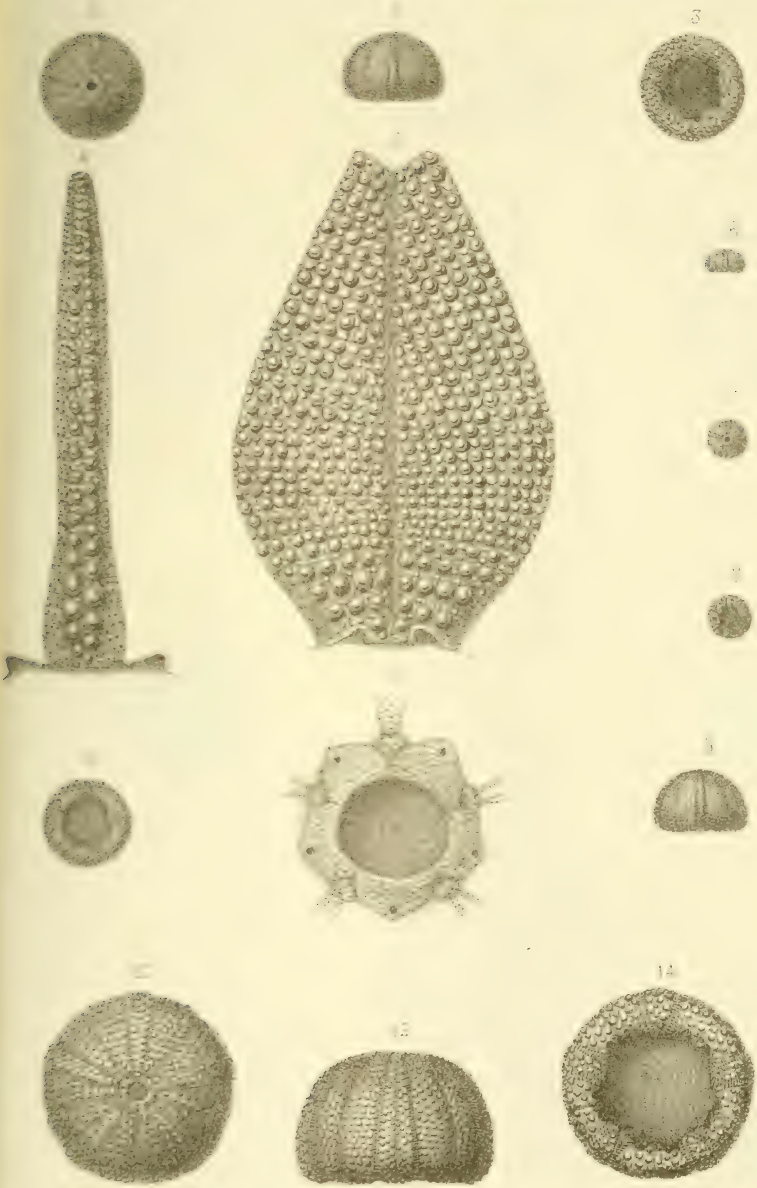
Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

1 – 12. Glypticus Lamberti, Cotteau. Corallien sup.
13 – 15. G. ——— regularis, Etallon. ——— —



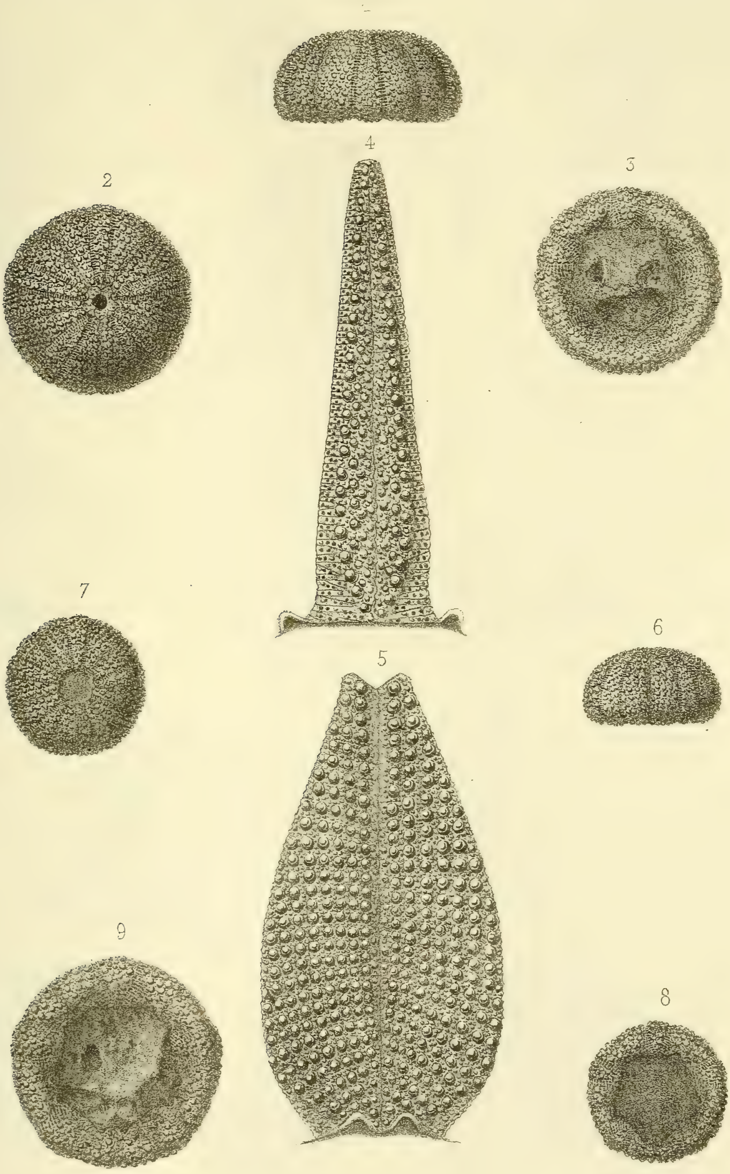
Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

1 – 7. Magnosia Carabeufi, Cotteau. Bajocien.
8 – 13. M. ——— Peroni, Cotteau. Bathonien.



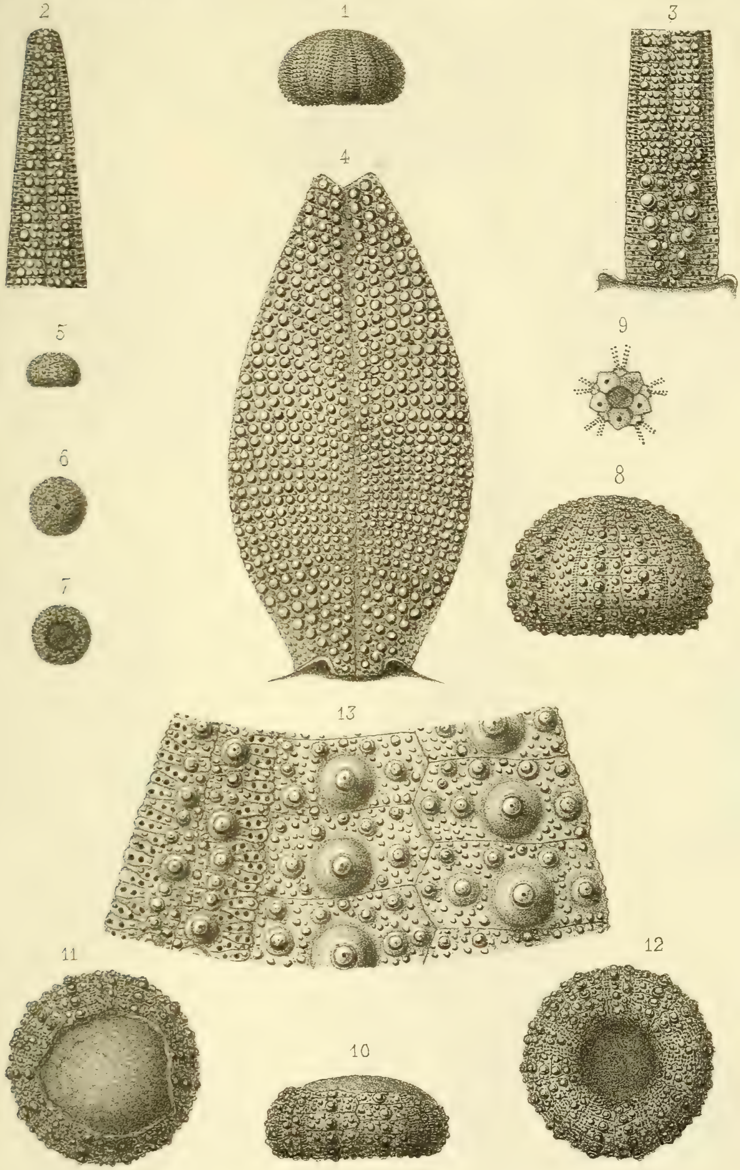
Humbert lith. — G. Masson, Editeur. — *Imp. Becquet fr. Paris.*

1 _ 11. Magnosia decorata (Agassiz), Desor. Oxfordien sup.
12 _ 14. M. ——— nodulosa (Goldfuss), Desor. Corallien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Magnosia nodulosa (Goldfuss), Desor. Corallien.

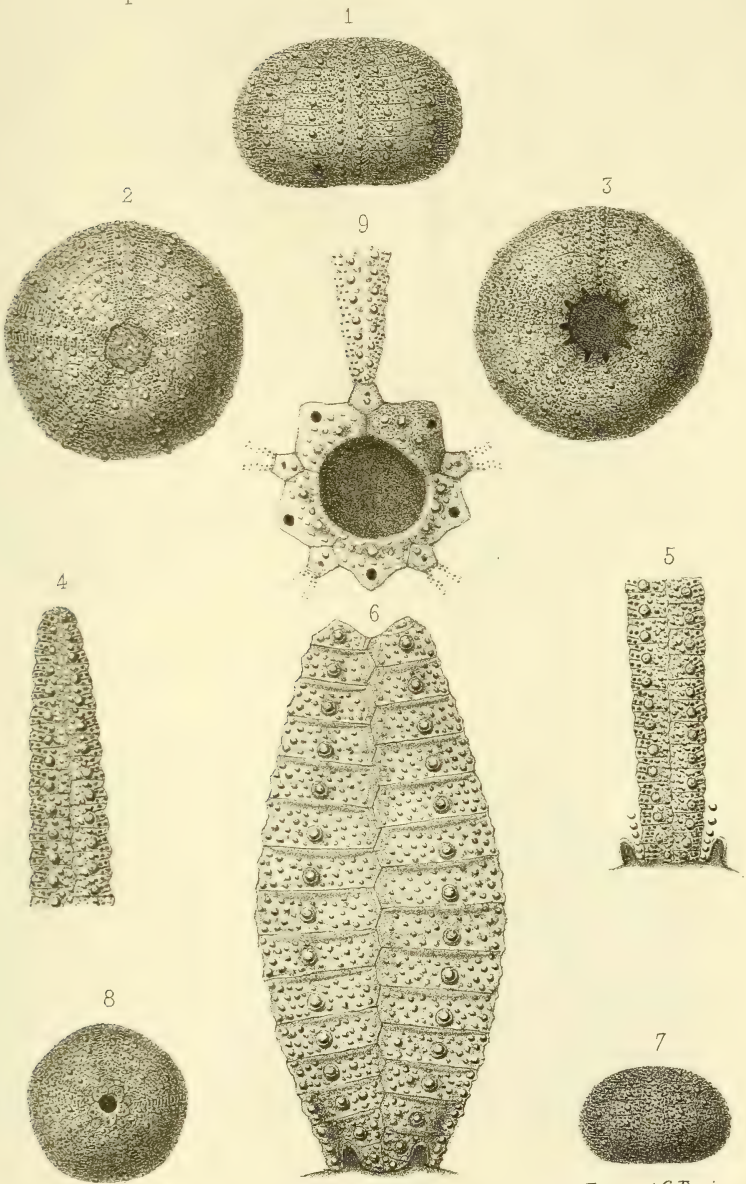


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

1 – 4. Magnosia Pilleti, Cotteau. Corallien.

5 – 9. Microdiadema Richeri, Cotteau. Liasien.

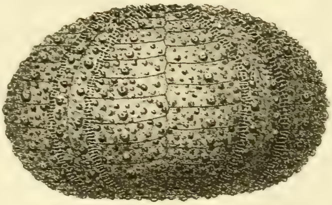
10 – 13. Pedina antiqua, Cotteau. Callovien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Pedina Davousti, Cotteau. Bathonien et Callovien.

1



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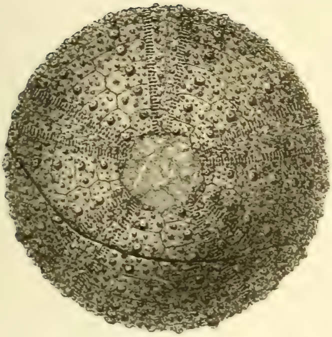

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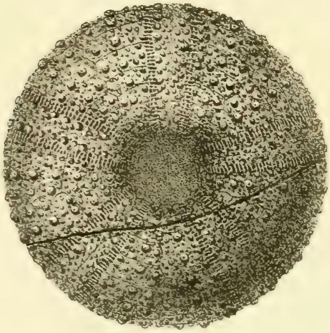

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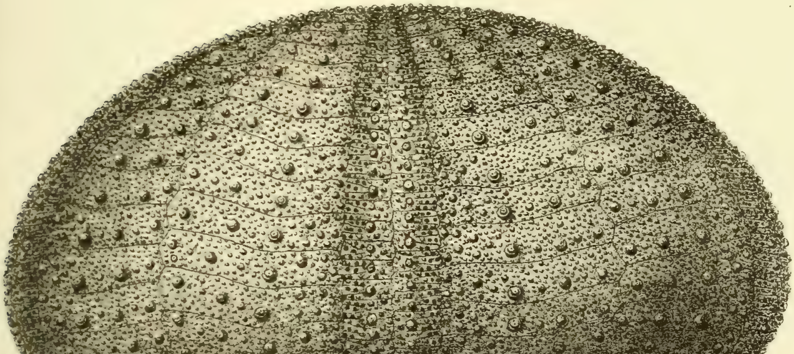
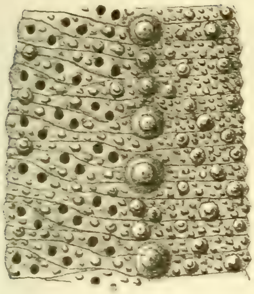


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

1_3. Pedina granulosa, Agassiz. Bathonien.
4. P.—— gigas, Agassiz. Bathonien.

2



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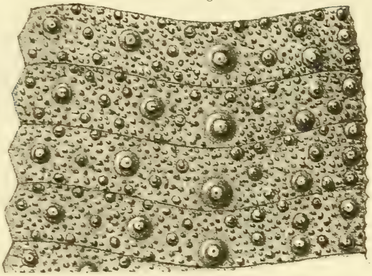
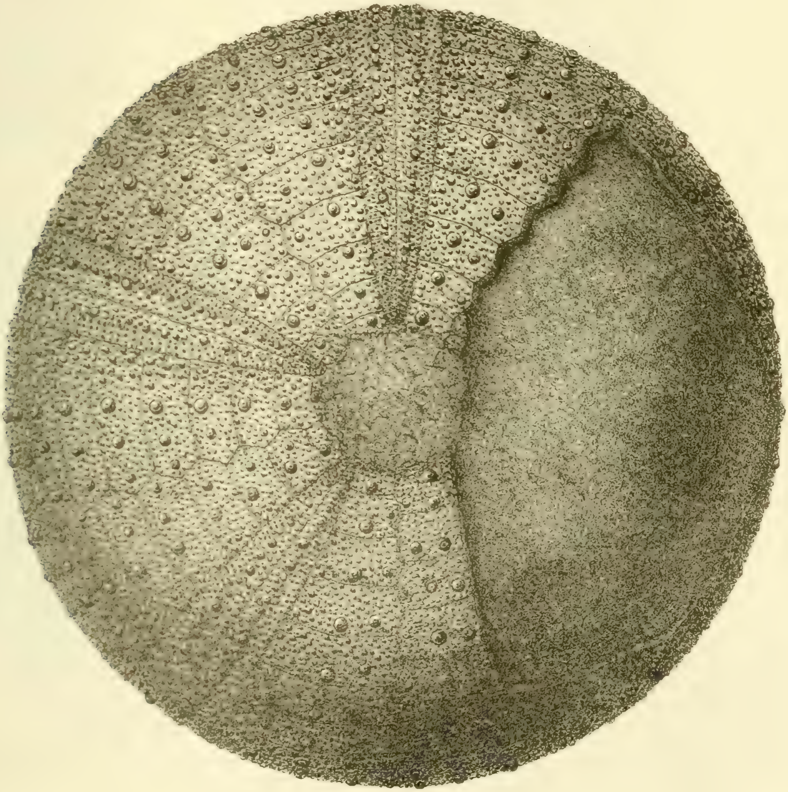


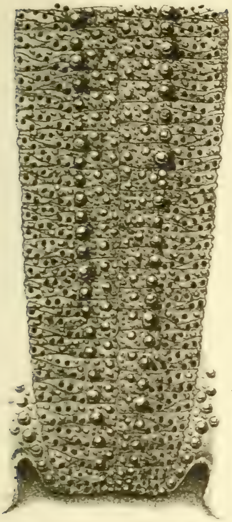
1



Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris.

Pedina gigas, Agassiz. Bathonien.

2



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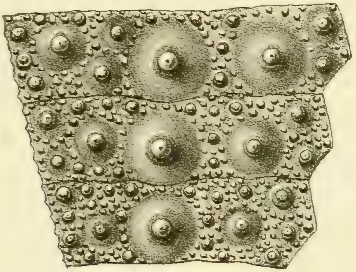
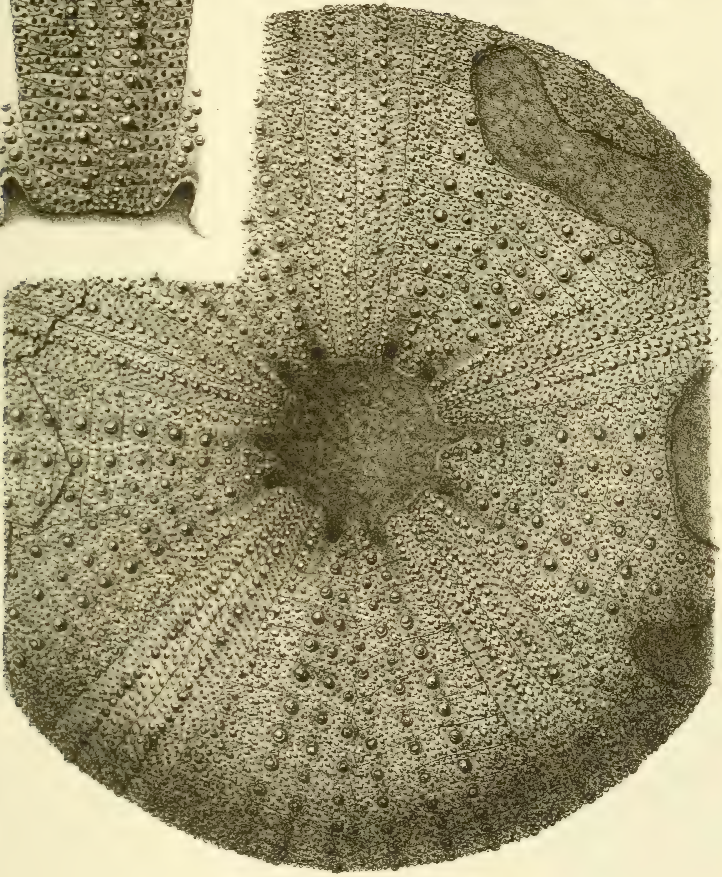
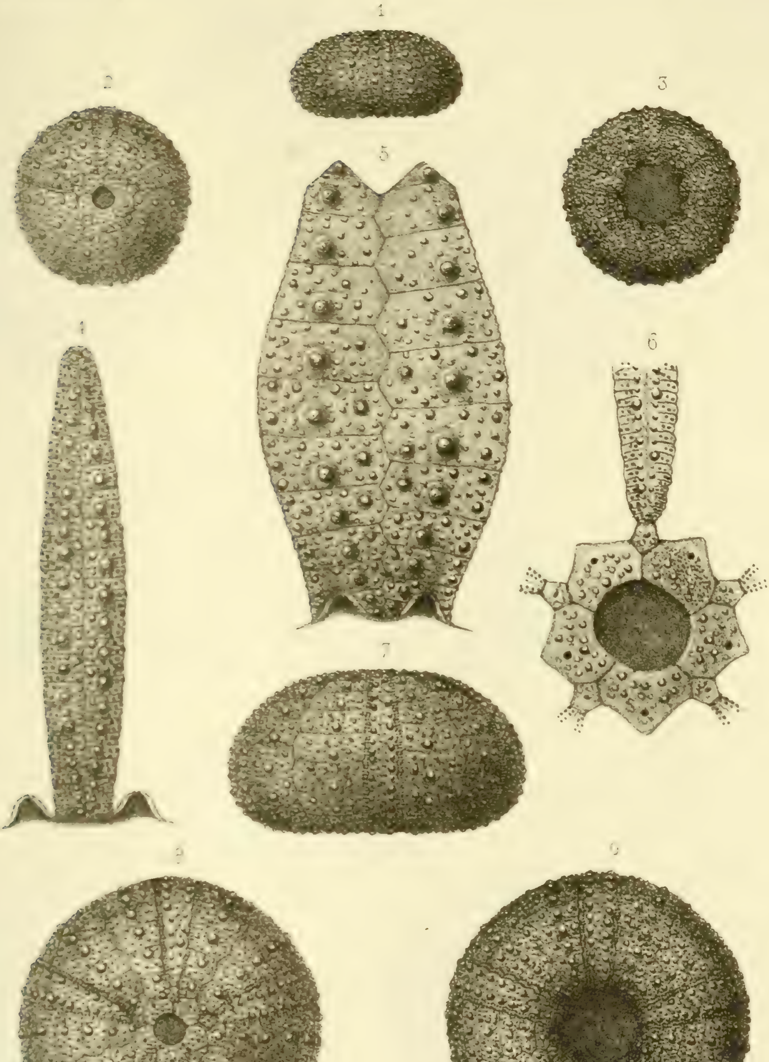


1



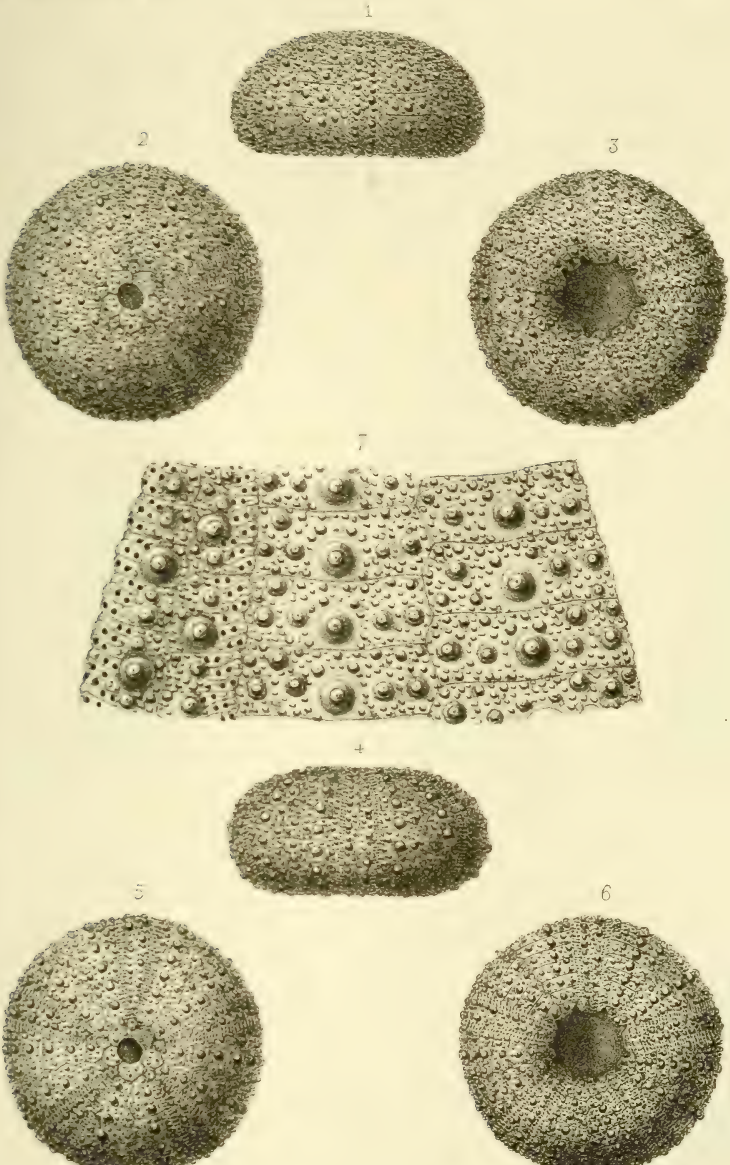
Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Pedina gigas, Agassiz. Bathonien.



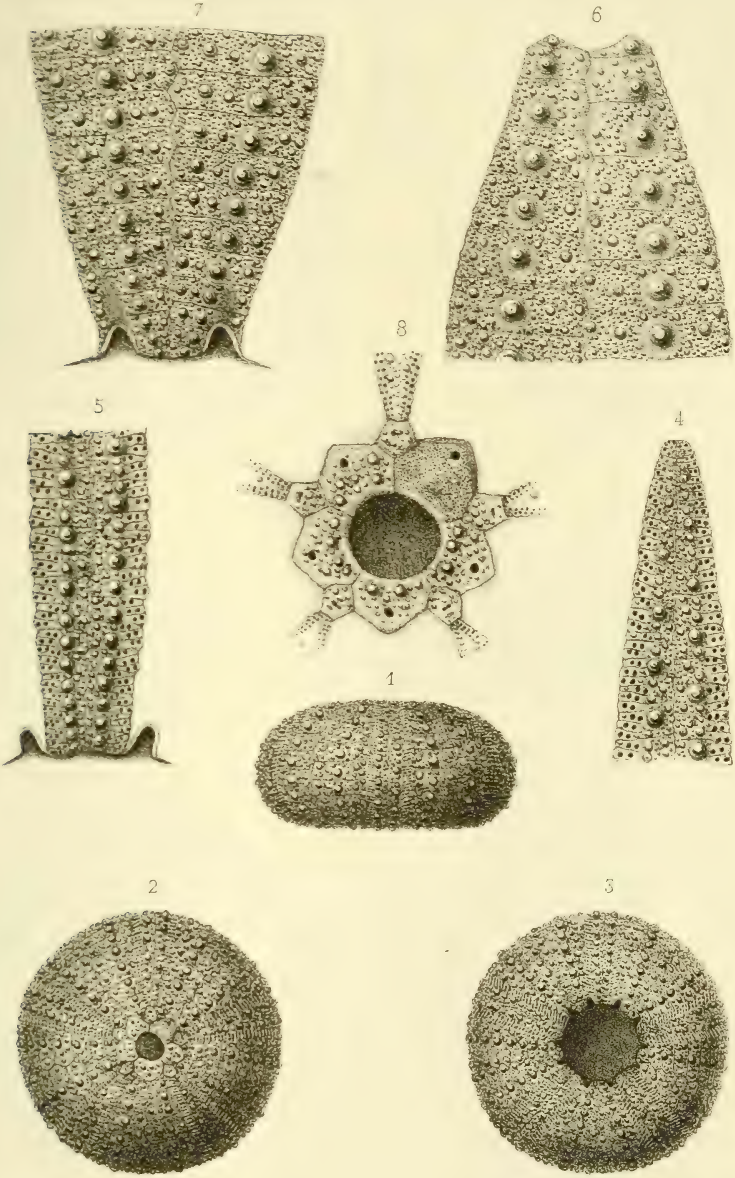
Humbert lith. G. Masson Editeur. Imp. Becquet fr. Paris.

Pedina Gervillei, Agassiz. Callovien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Pedina sublœvis, Agassiz. Callovien.



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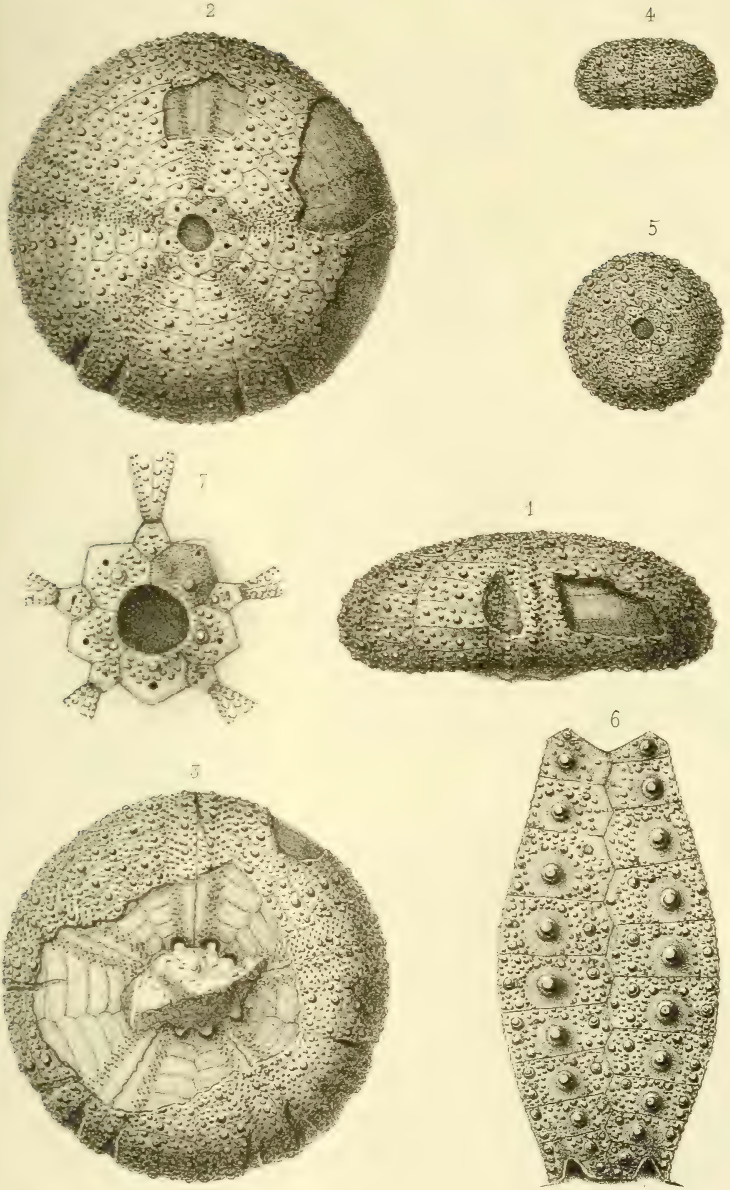
Pedina sublævis, Agassiz. Corallien inf.



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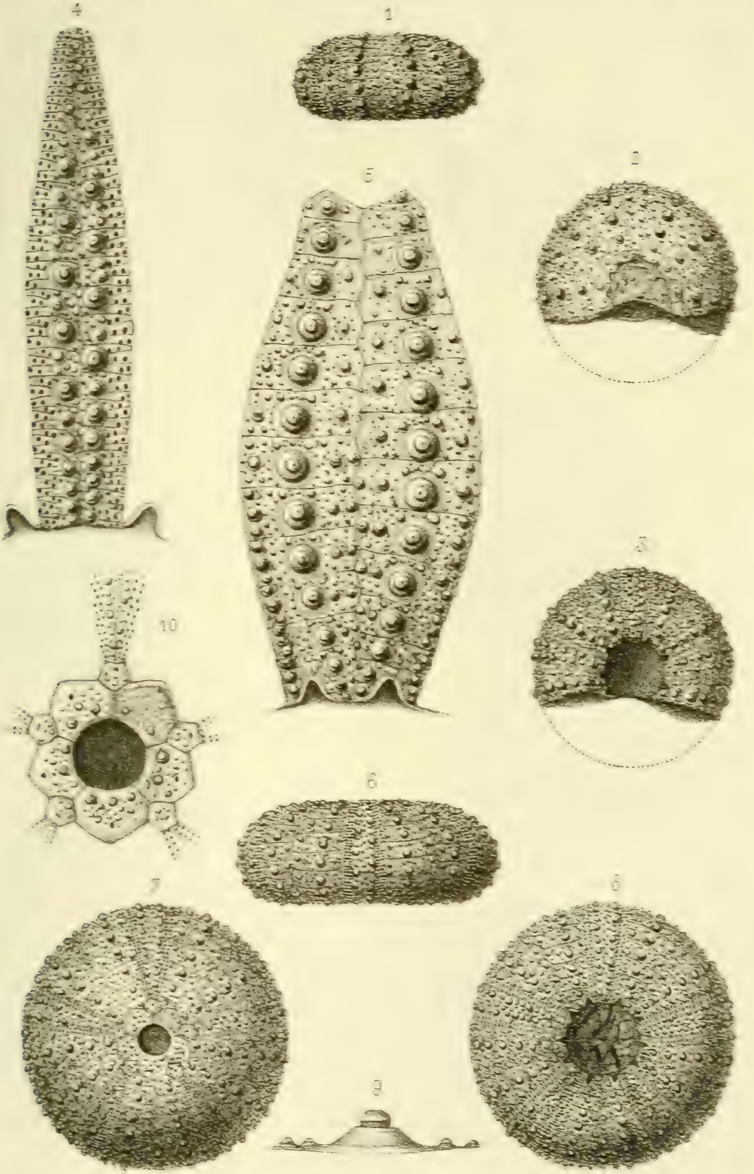
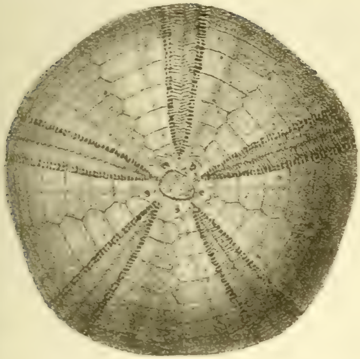
Pedina sublævis, Agassiz. Corallien inf.



Humbert lith. — G. Masson Éditeur — *Imp. Becquet fr. Paris.*

Pedina sublævis, *Agassiz. Kimméridgien*

2



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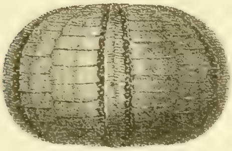

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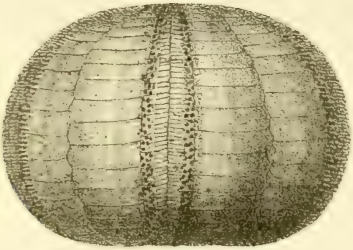

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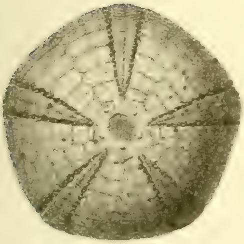

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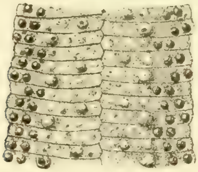

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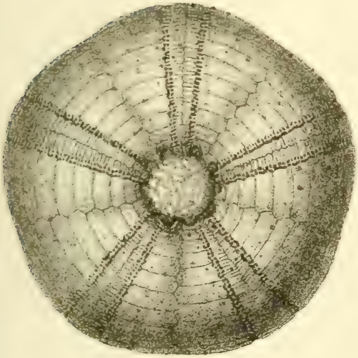

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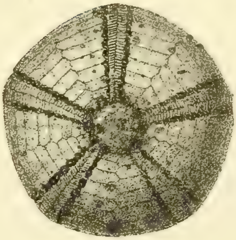
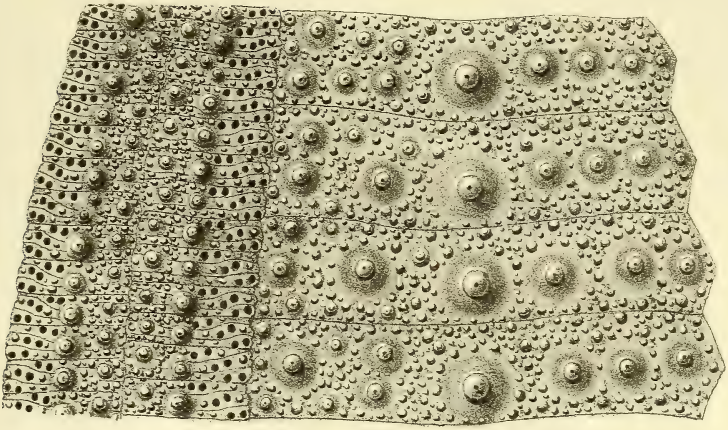


Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris.

Pedina Michelini, Cotteau. Corallien inf.

2



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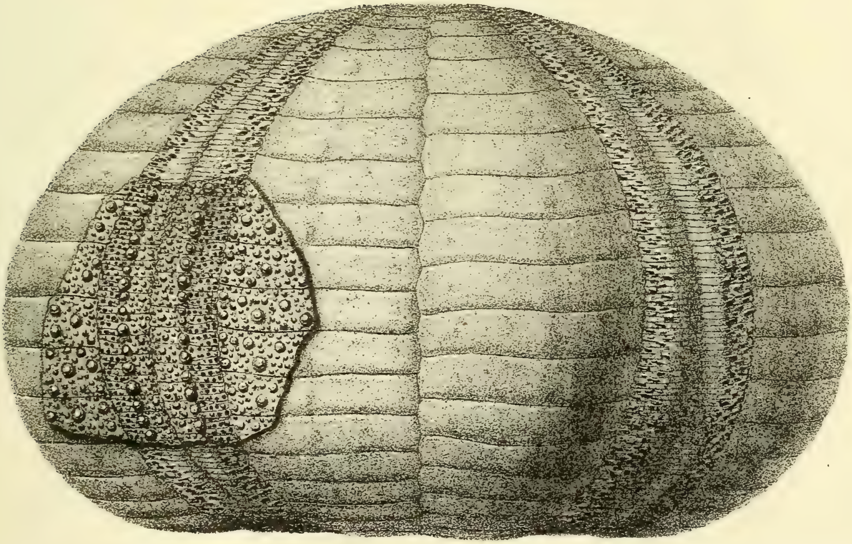
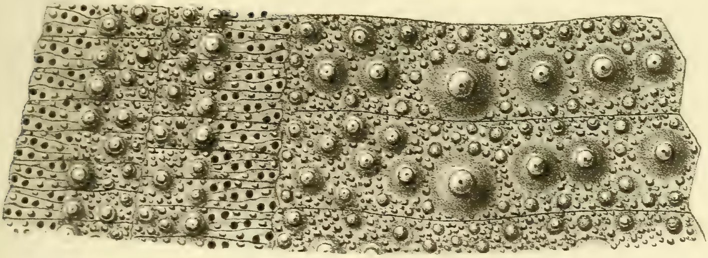


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris*

Pedina Charmassei, Cotteau. Corallien inf.

2



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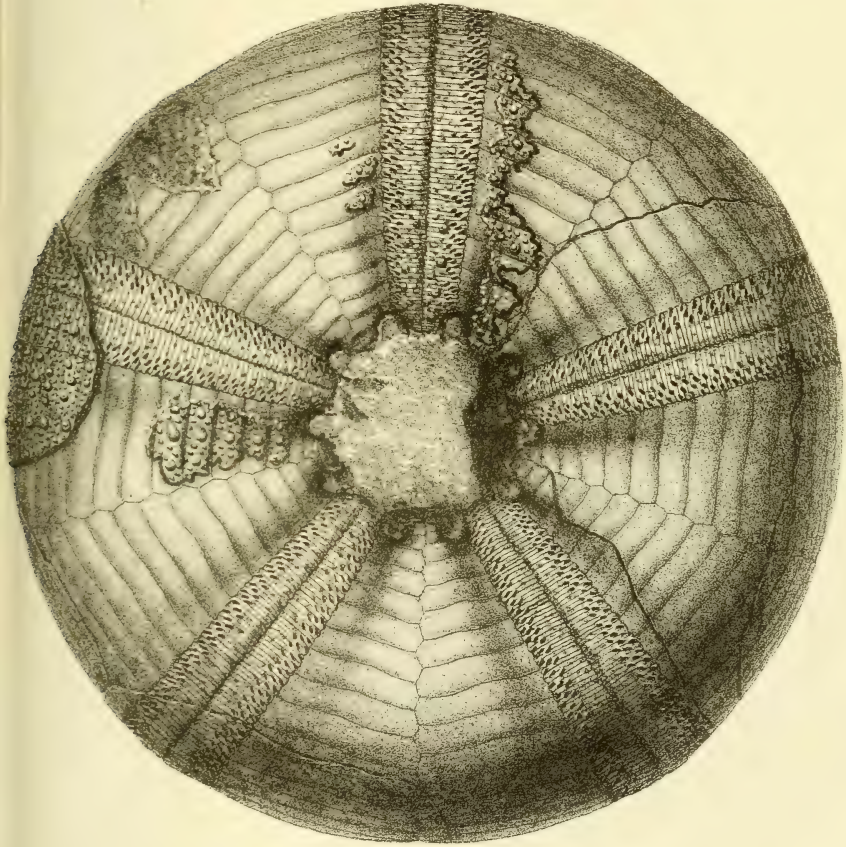
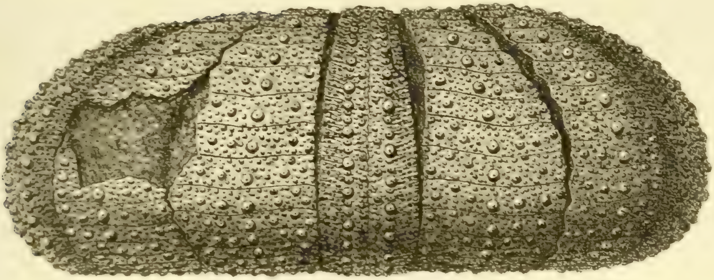


Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris.

Pedina Charmassei, Cotteau. Corallien inf.

1



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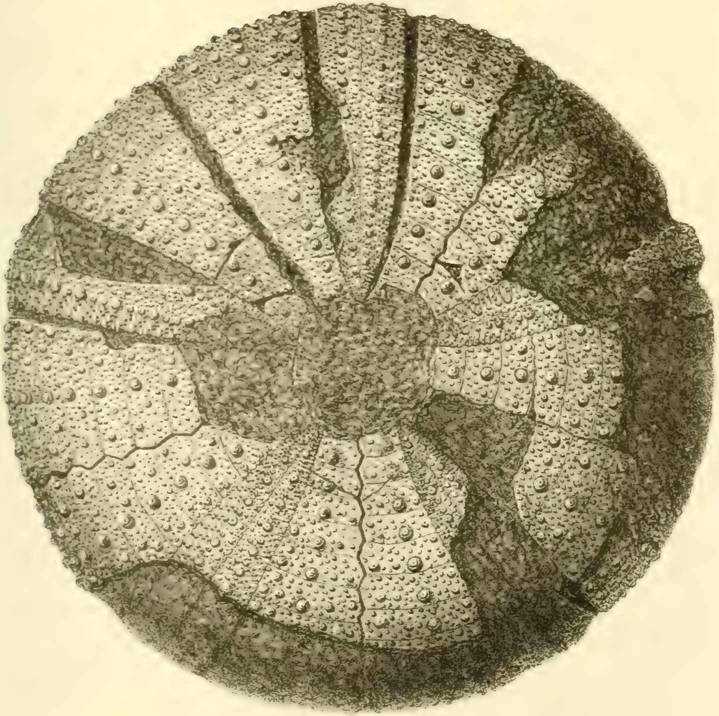
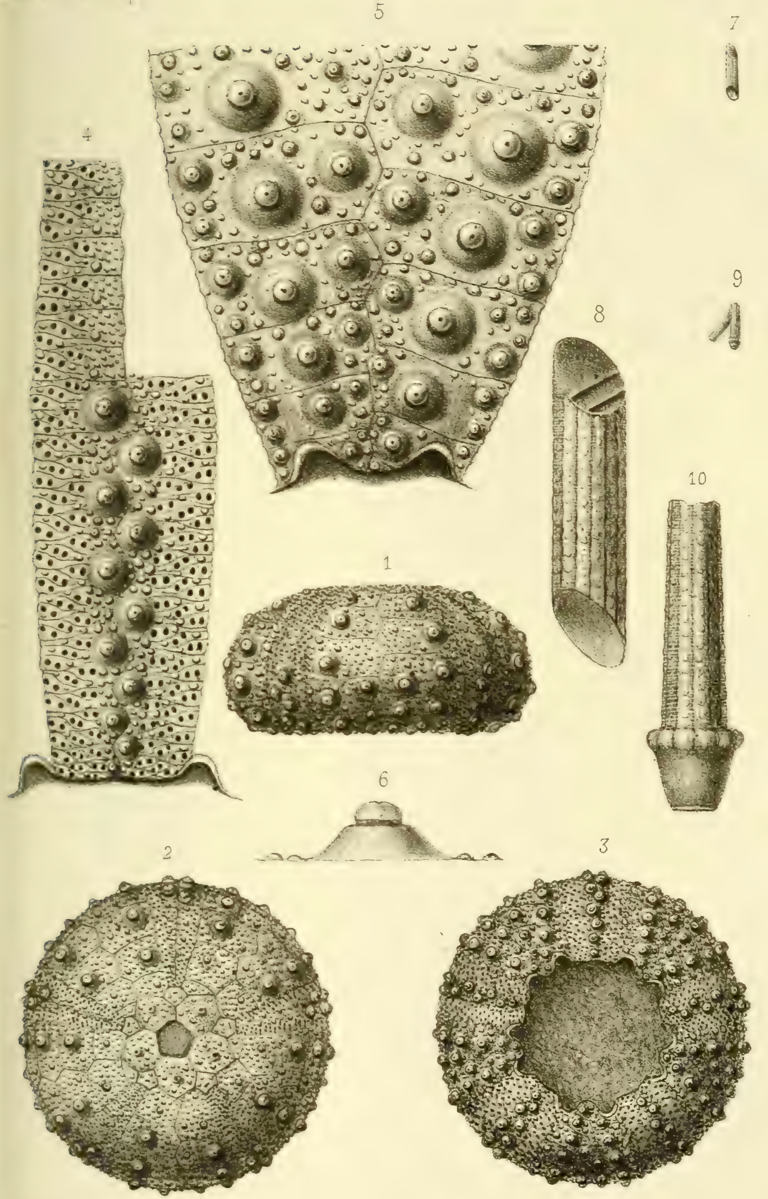


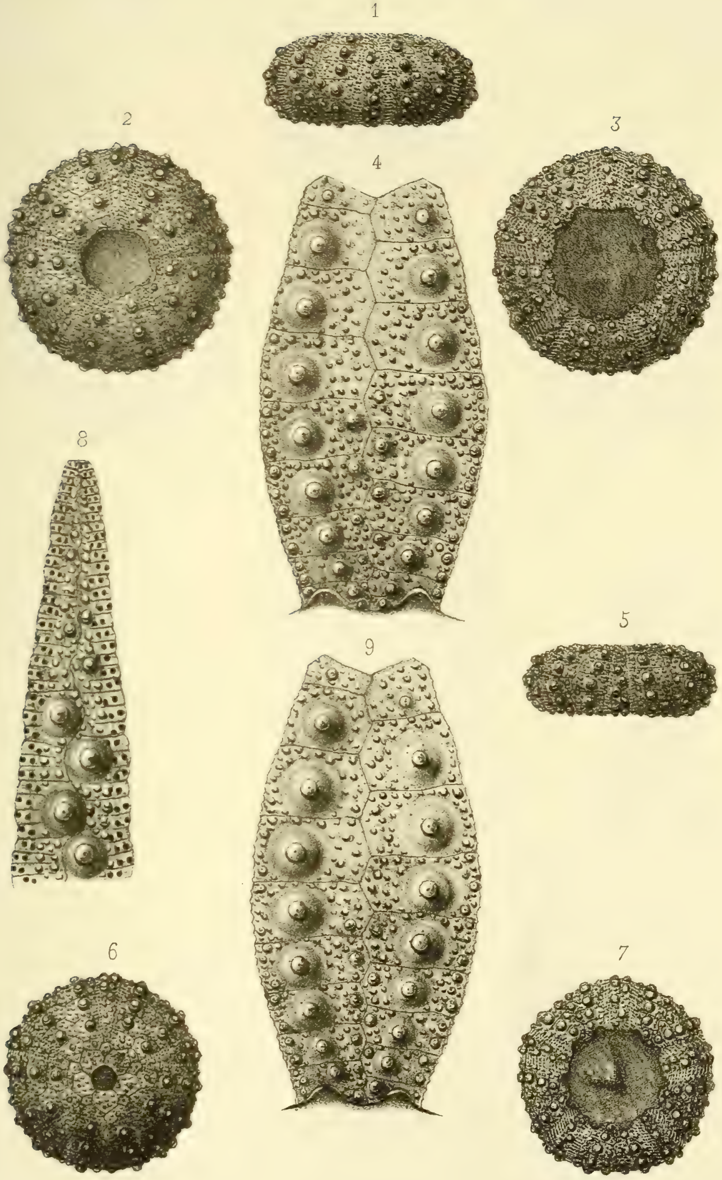
Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Pedina Charmassei, Cotteau. Corallien inf.



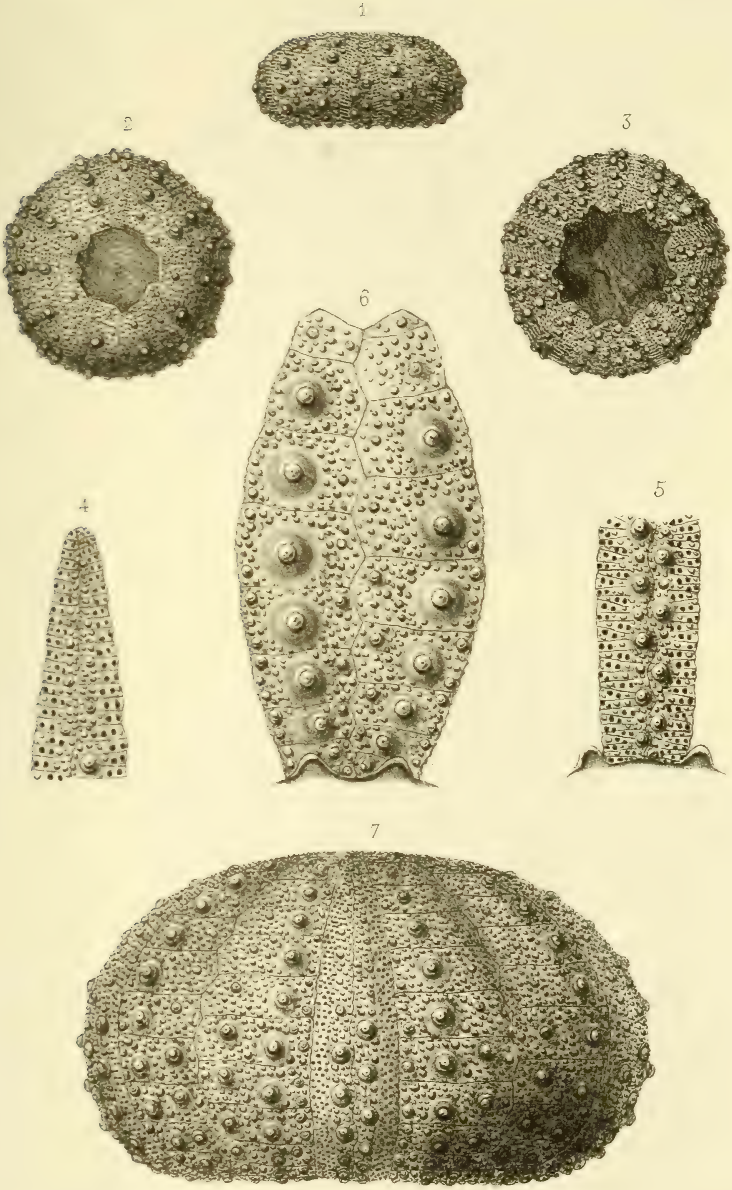
Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Pseudopedina Bakeri (Wright), Cotteau. Bajocien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

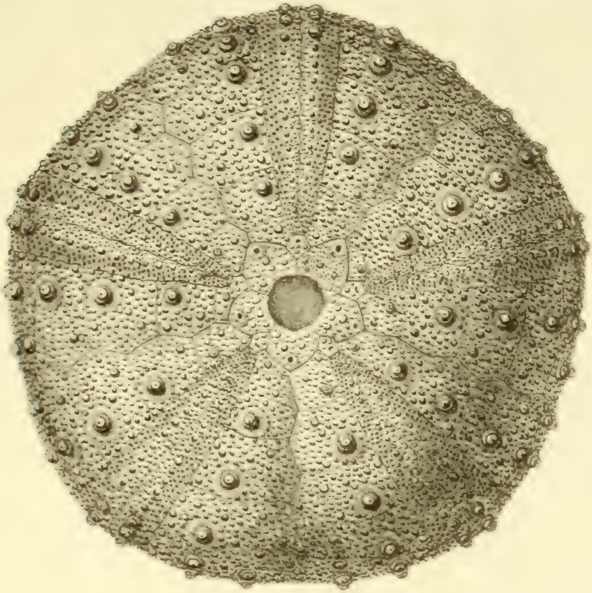
Pseudopedina Bakeri (Wright), Cotteau. Bajocien.



Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris.

1-6. *Pseudopedina Bakeri* (Wright), Cotteau. Bathonien.
7. *P. ——— divionensis* (Michelin), ———

1



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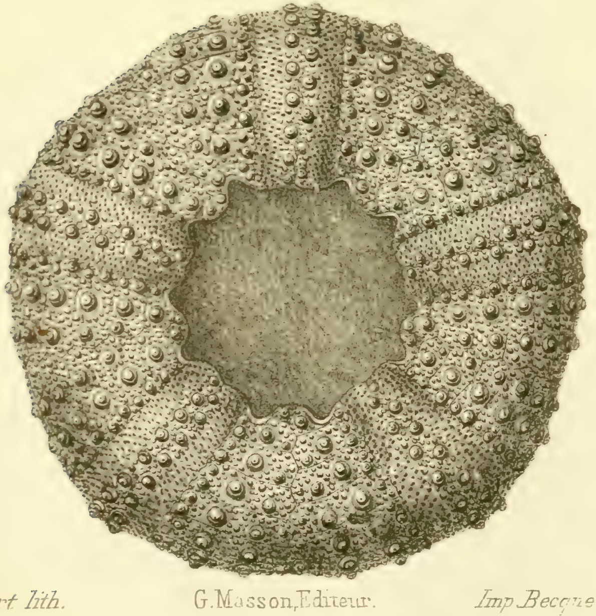
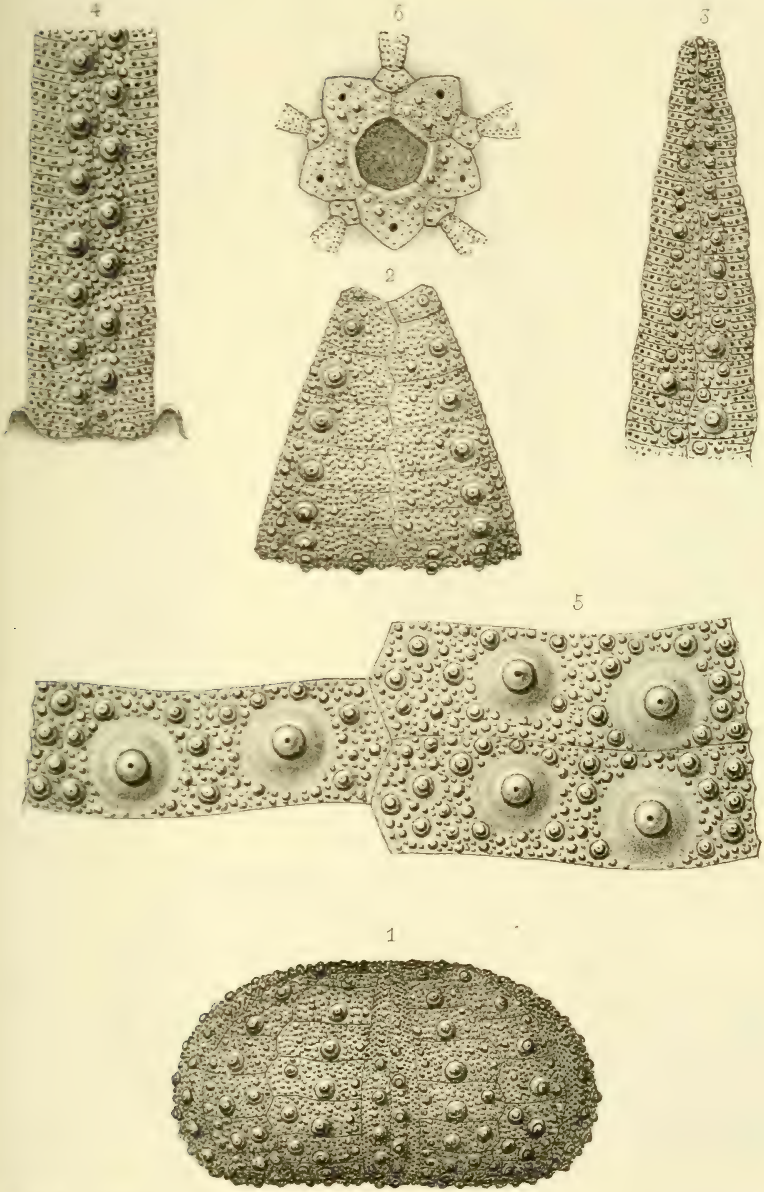


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Pseudopedina divionensis (Michelin), Cotteau. Bathonien



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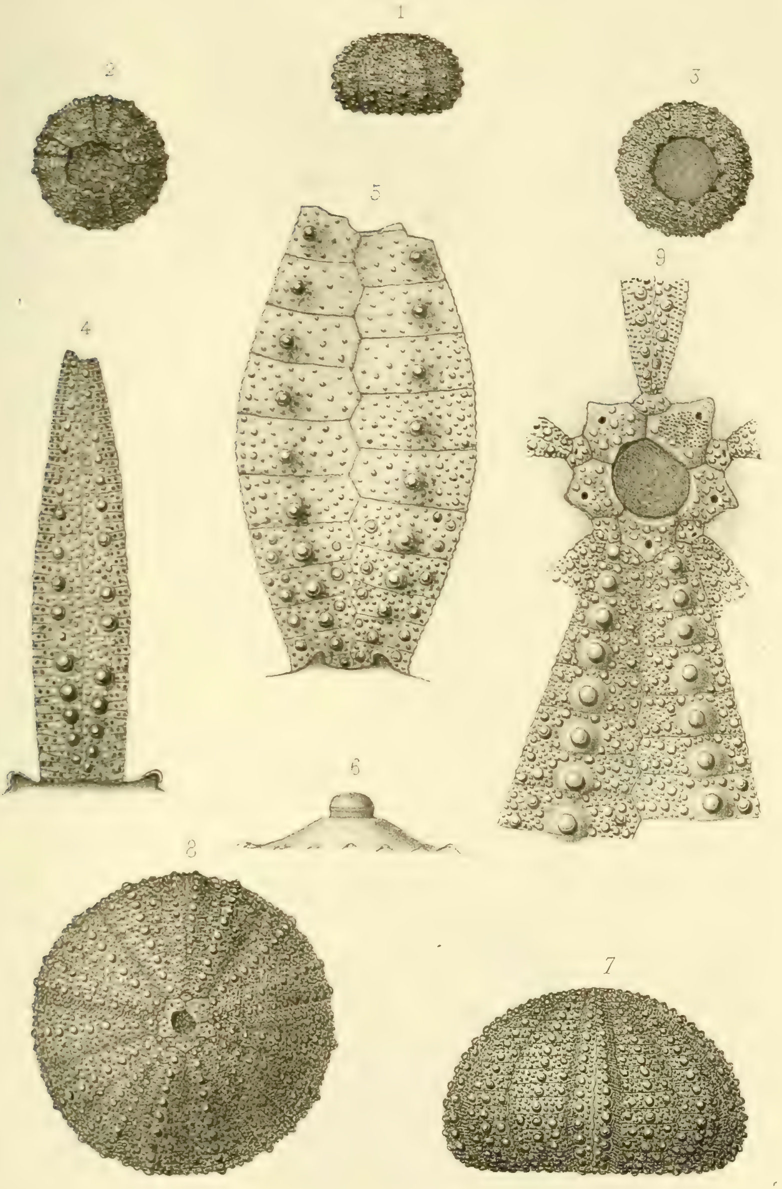
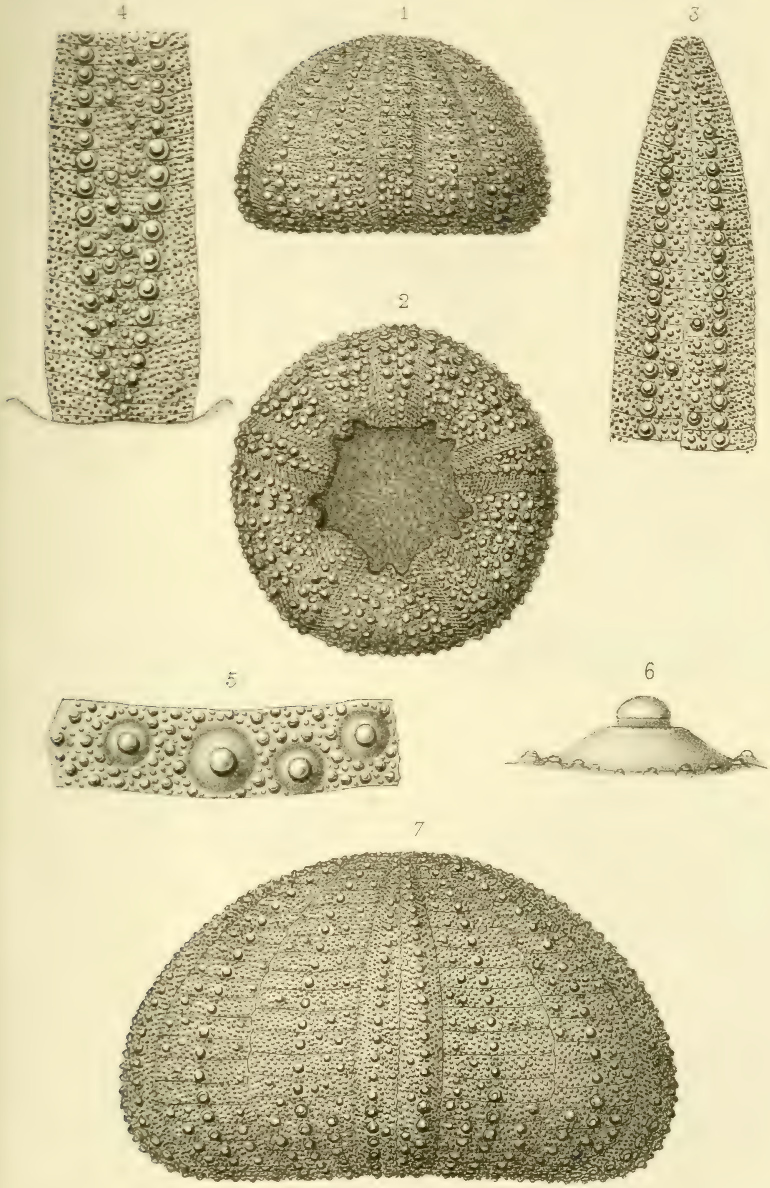
Pseudopedina divionensis, Cotteau. Bajocien.



Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris.

1 – 6. *Echinodiadema Bruni*, Cotteau. Bathonien.

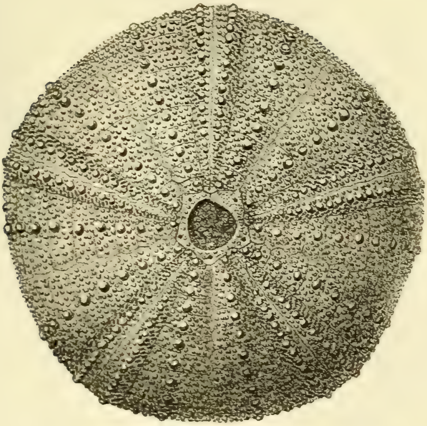
7 – 9. *Stomechinus germinans* (Philipps), Desor. Bajocien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

1–6. Stomechinus germinans (Philipps), Desor. Bajocien.
7. S. ——— bigranularis (Lamarck), Desor. ———

2



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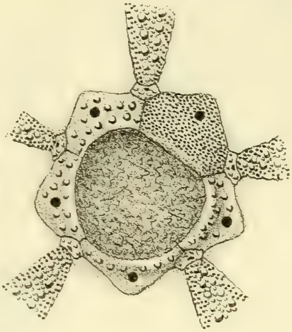

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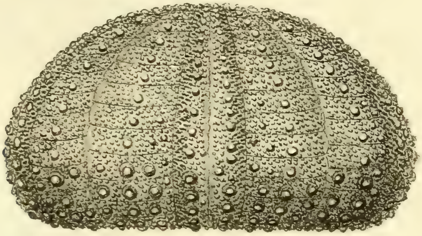

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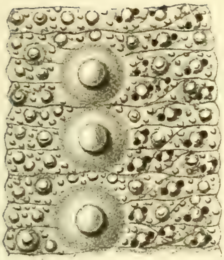

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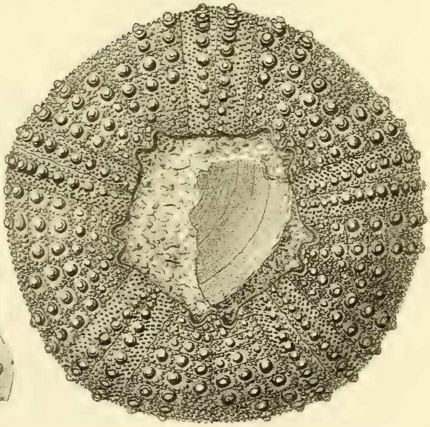

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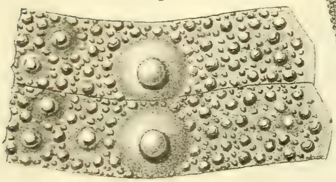
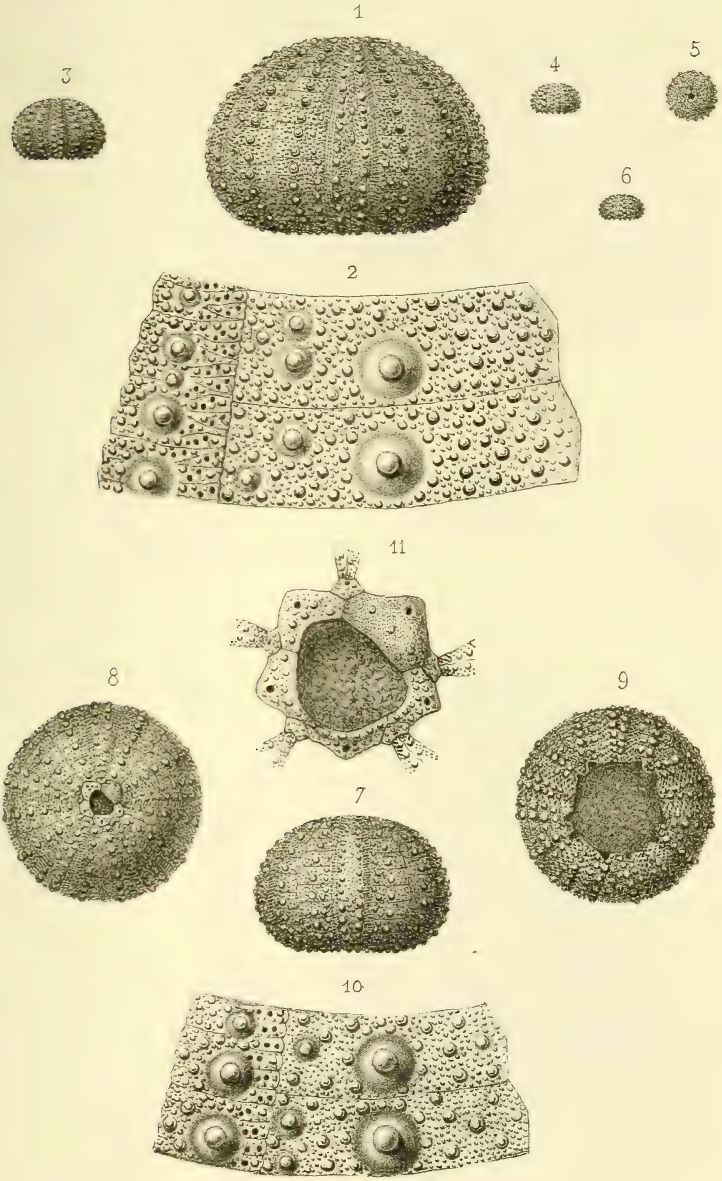


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

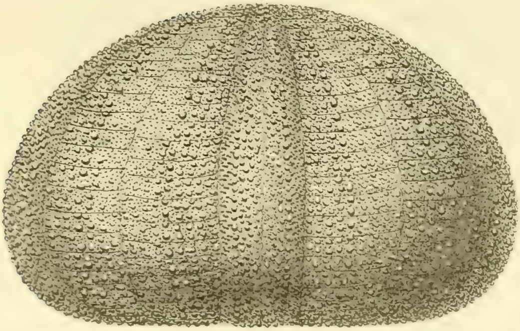
Stomechinus bigranularis (Lamarck), Desor. Bajocien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

1_6. Stomechinus bigranularis, Agassiz. Desor. Bajocien.
7_11. S. ——— Locardi, Cotteau. ——— ———

1



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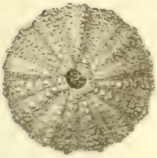

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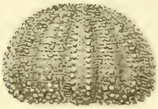

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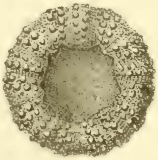

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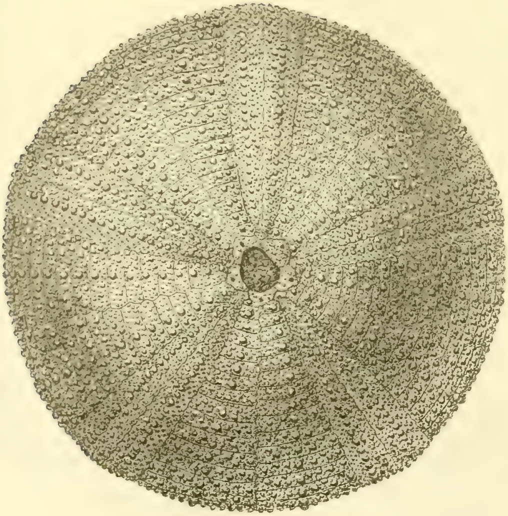
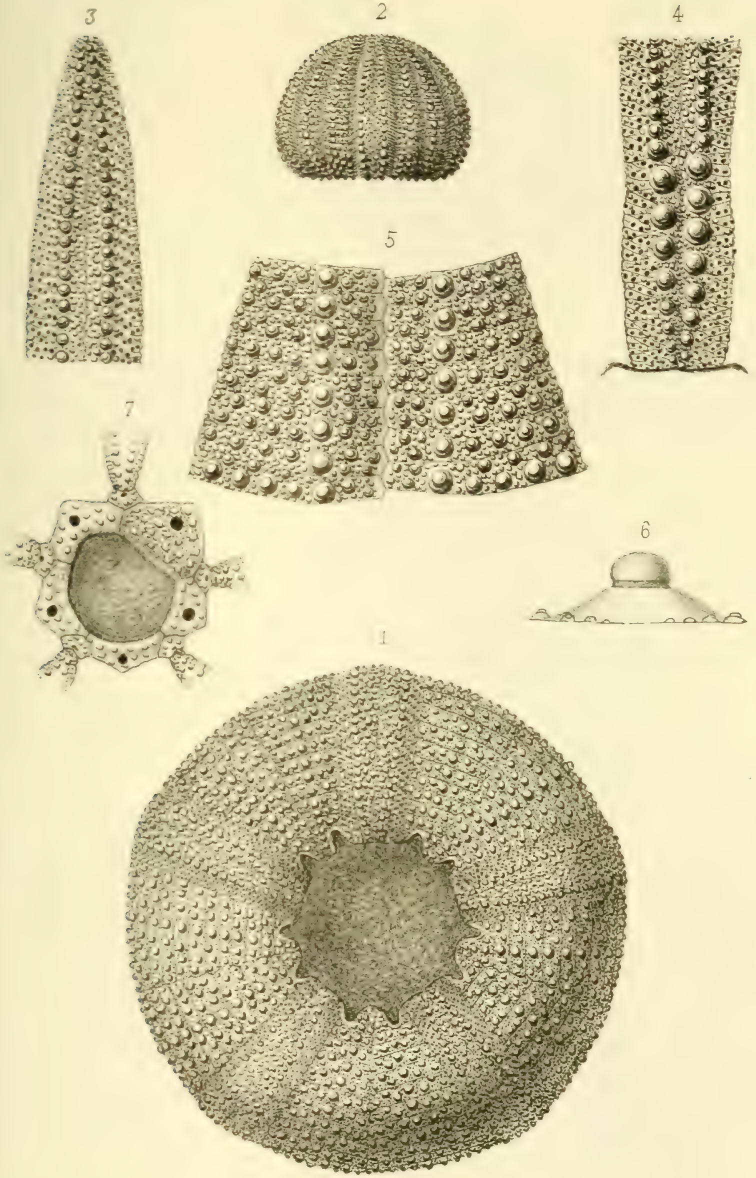


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

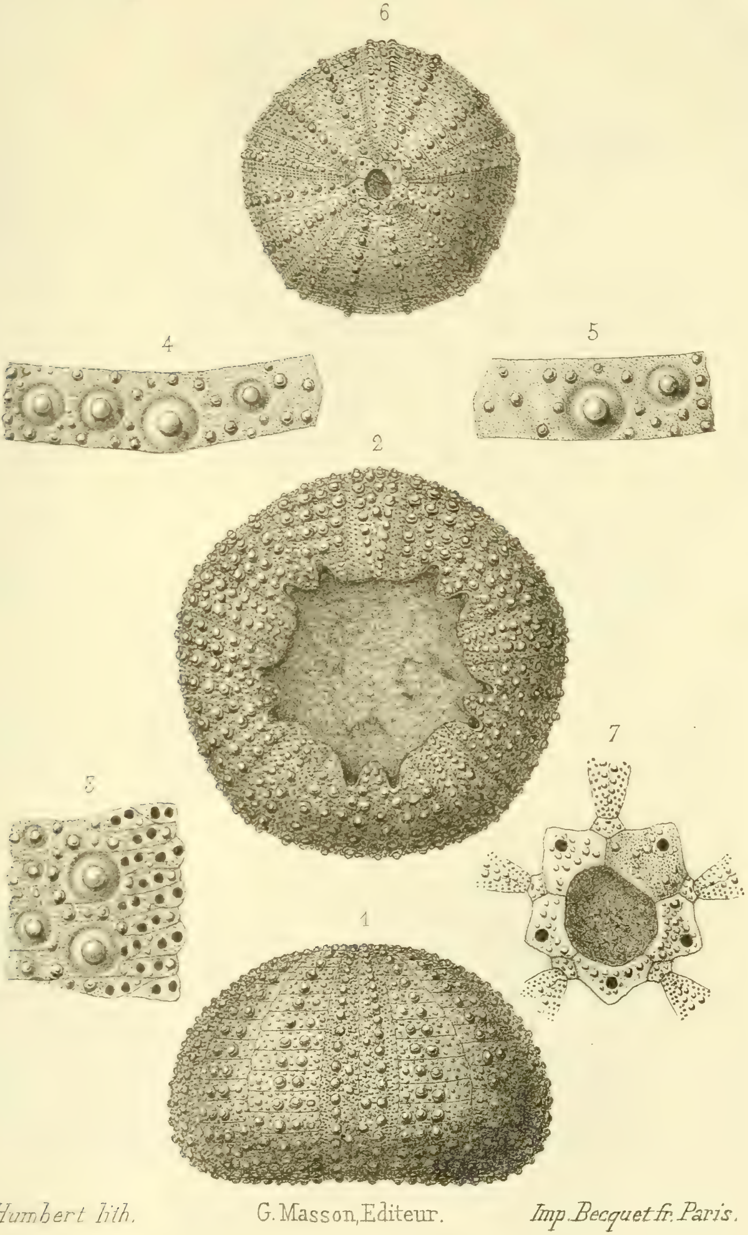
1 et 2. Stomechinus Longuemari, Cotteau. Bajocien.

3 – 5. S. ——— sulcatus, ——— ———



Humbert lith. G. Masson Editeur. Imp. Becquet fr. Paris.

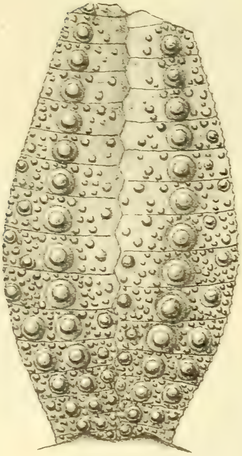
1. *Stomechinus Longuemari*, Cotteau. Bajocien.
2 – 7. *S.* ———— *sulcatus*, ———— ————



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Stomechinus lævis (Agassiz), Desor. Bajocien.

8



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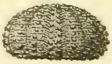

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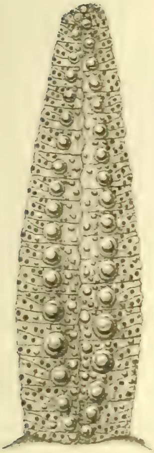

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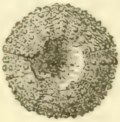

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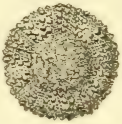

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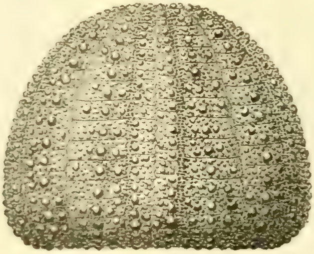

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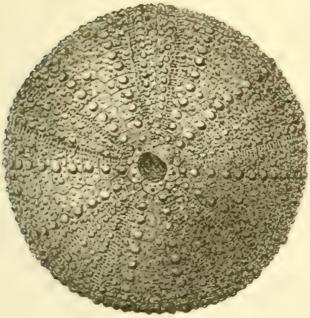

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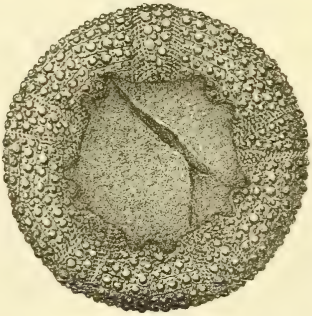
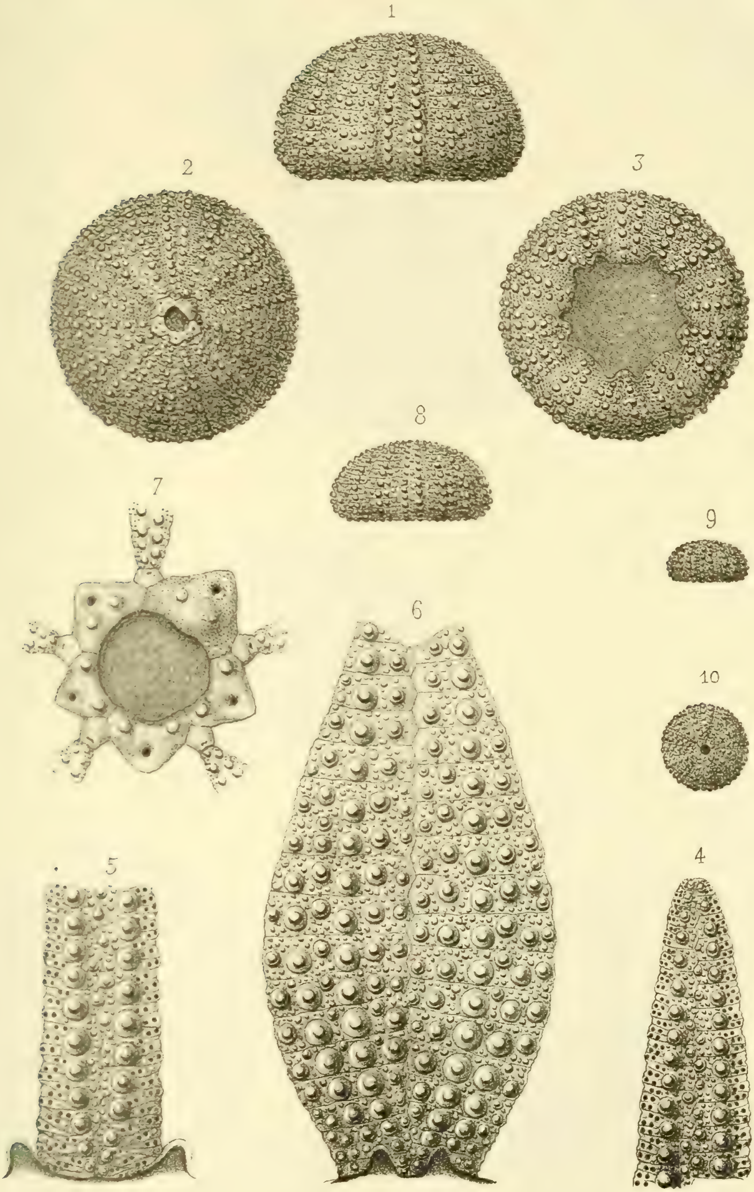


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

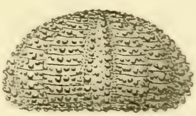
1 – 3. Stomechinus Gauthieri, Cotteau. Bajocien.
4 – 9. S. ———— Vacheyi, ——— ———



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Stomechinus Schlumbergeri, Cotteau. Bathonien.

1



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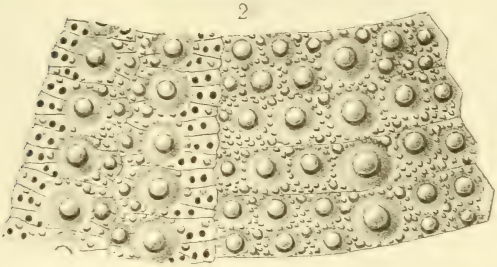

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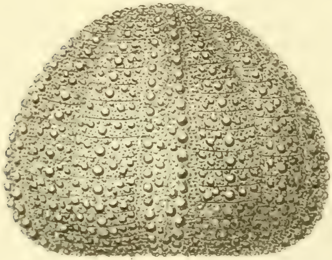

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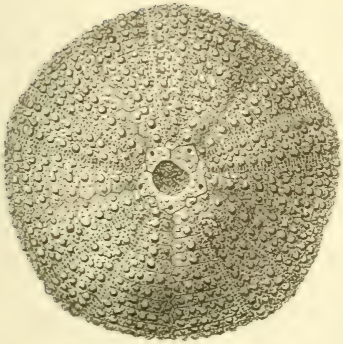

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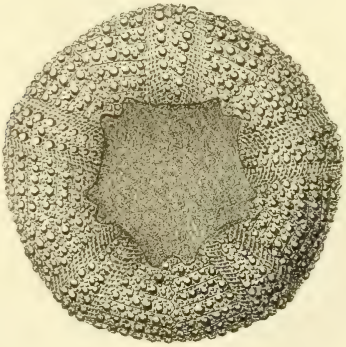
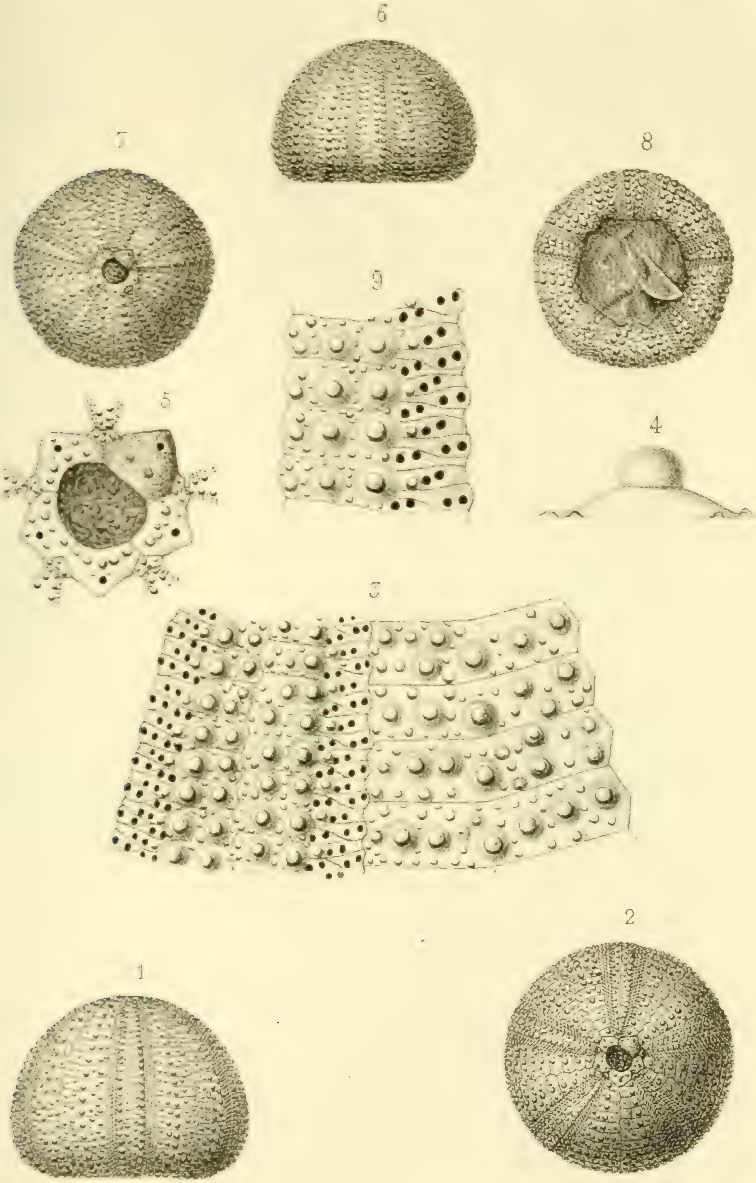


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

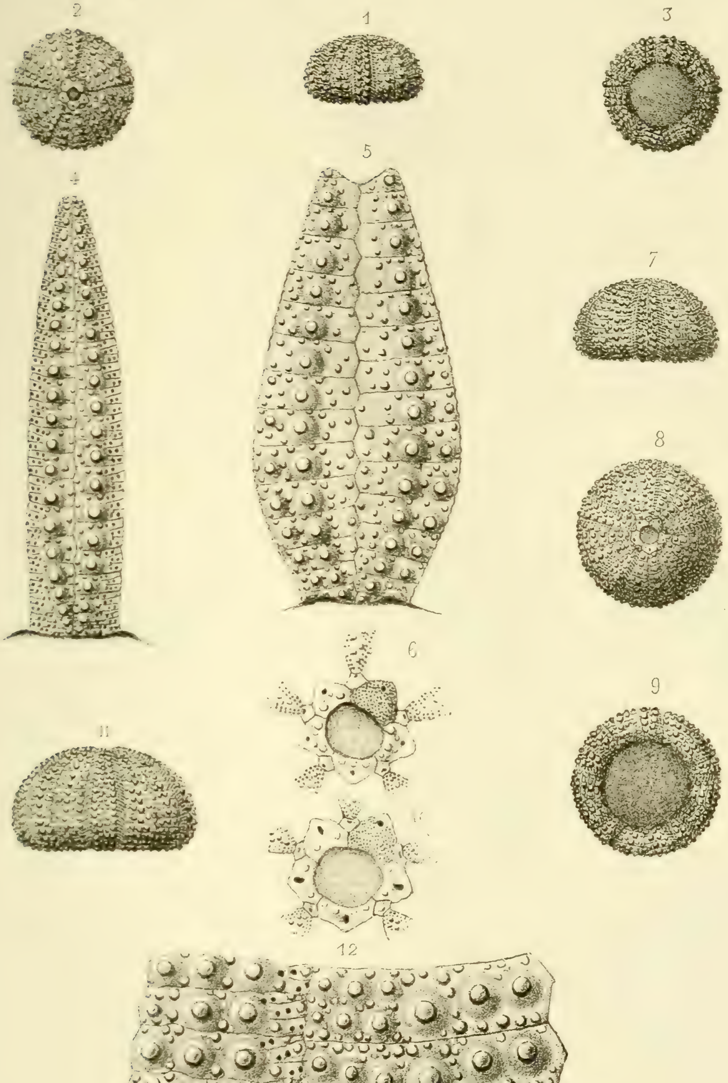
1 et 2. *Stomechinus Schlumbergeri*, Cotteau. Bathonien.

3 – 5. *S.* ———— *multigranularis*, —— ————



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

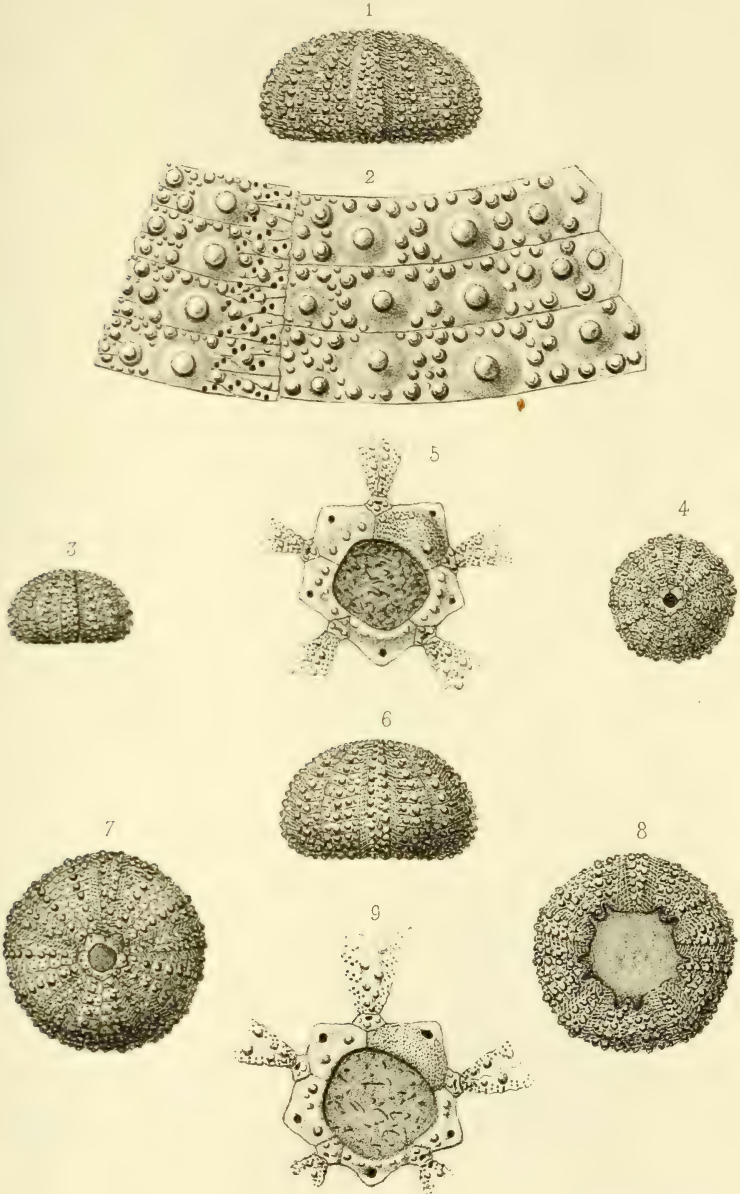
Stomechinus Morierei, *Cotteau. Bathonien.*



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

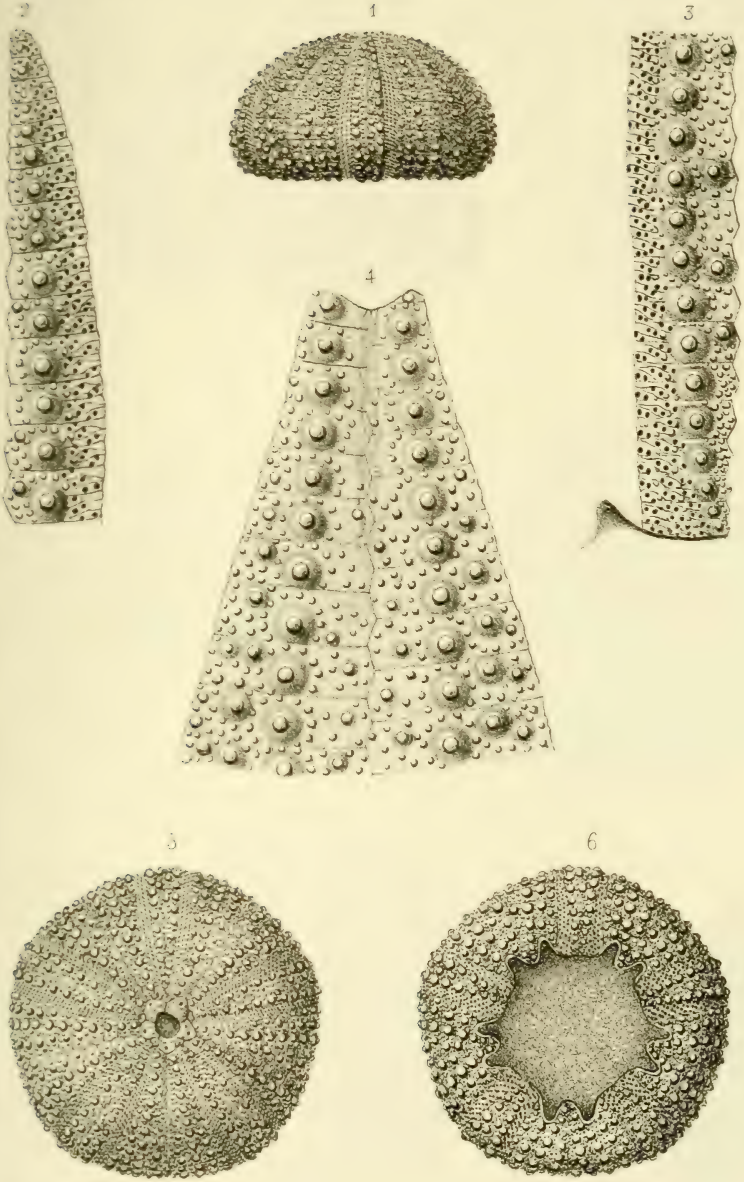
1 – 6. *Stomechinus Peroni*, Cotteau. Bathonien.

7 – 12. *S. ——— varusensis*, —— ———



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

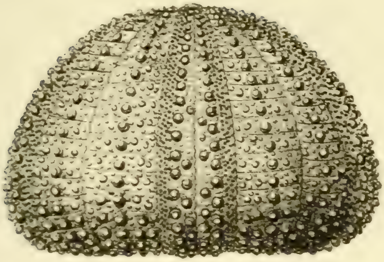
1 et 2. Stomechinus varusensis, Cotteau. Bathonien.
3 _ 9. S. ________ serratus (Agassiz), Desor. Bajocien.



Humbert lith. — G. Masson, Editeur. — Imp. Becquet fr. Paris.

Stomechinus serratus (Agassiz), Desor. Bathonien.

1



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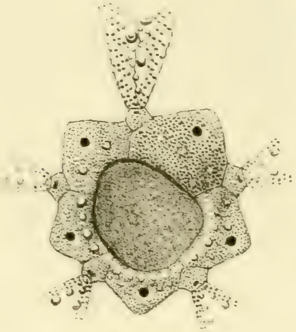

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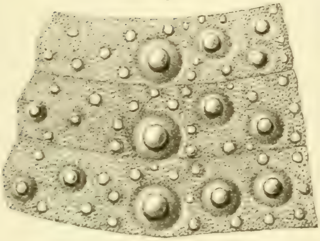

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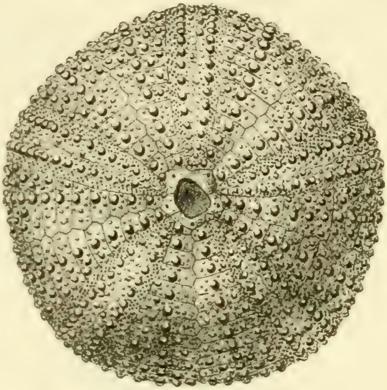

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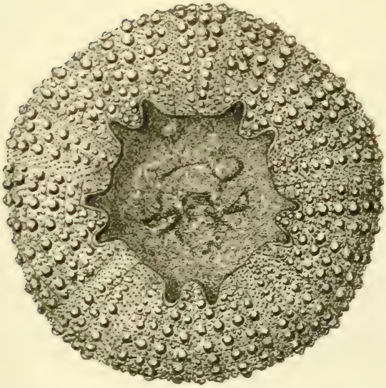

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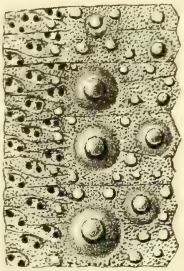
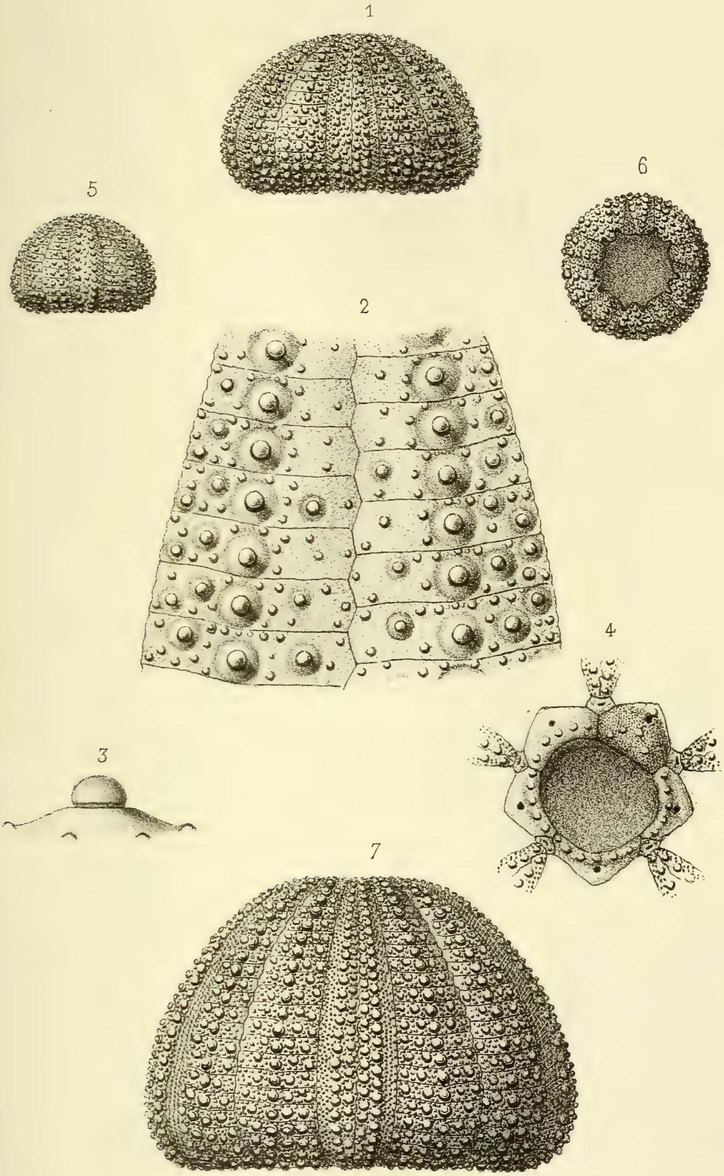


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

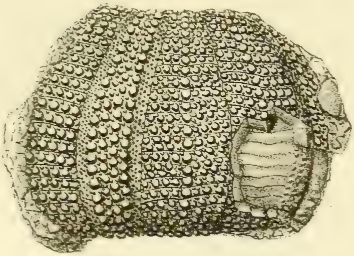
Stomechinus polyporus (Agassiz), Desor. Bathonien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Stomechinus polyporus (Agassiz), Desor. Bathonien.

1



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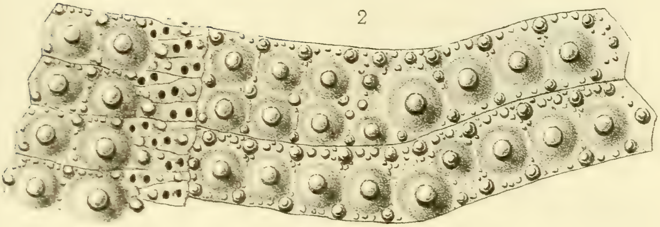

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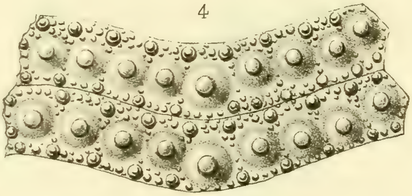

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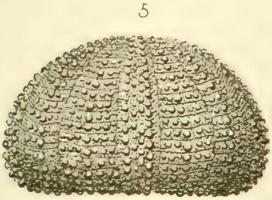
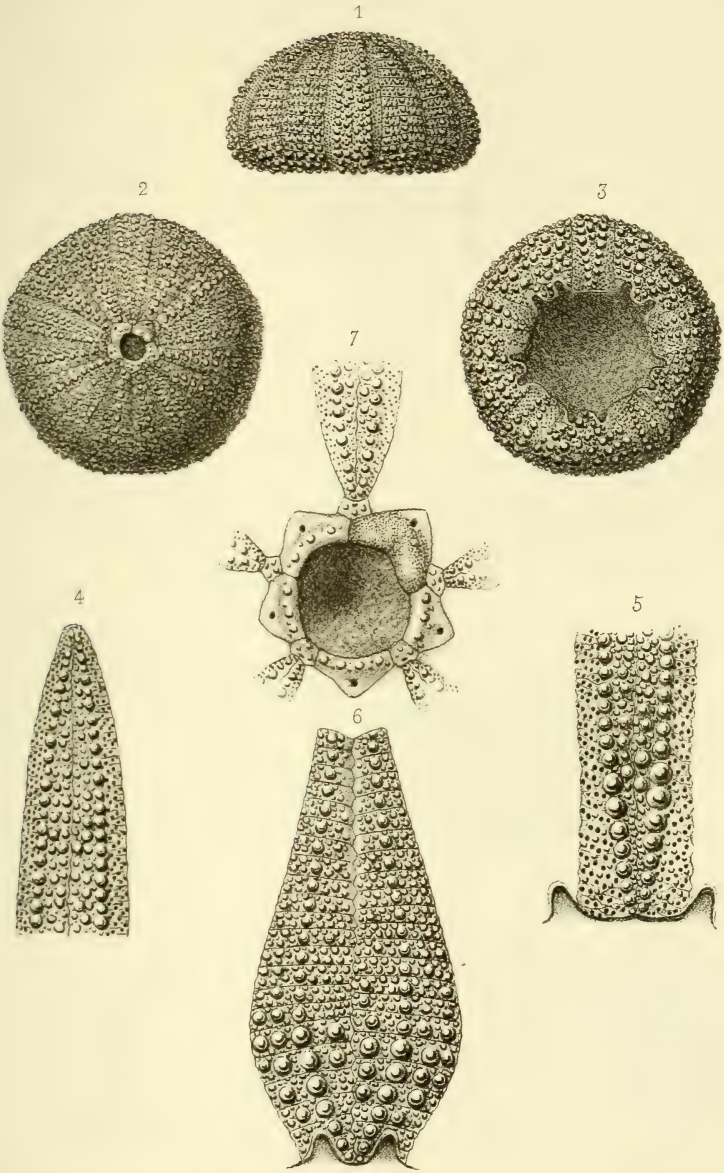


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

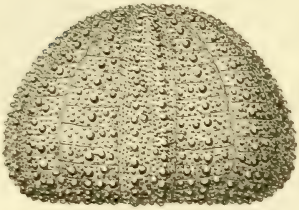
Stomechinus Michelini, Cotteau. Bathonien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Stomechinus Desnoyersi, Cotteau. Callovien.

1



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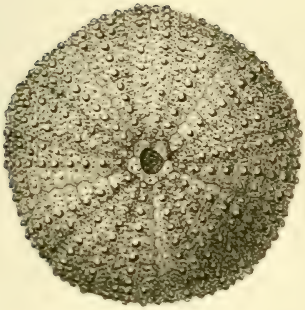

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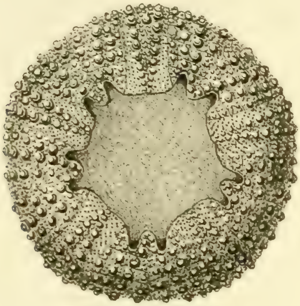

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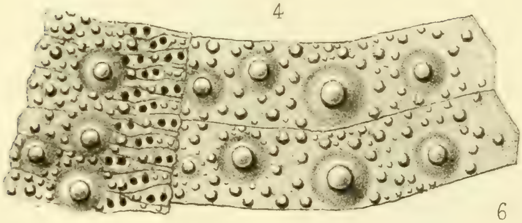

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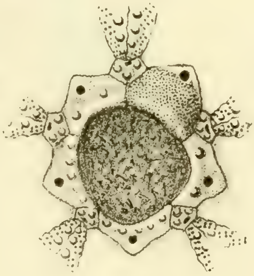

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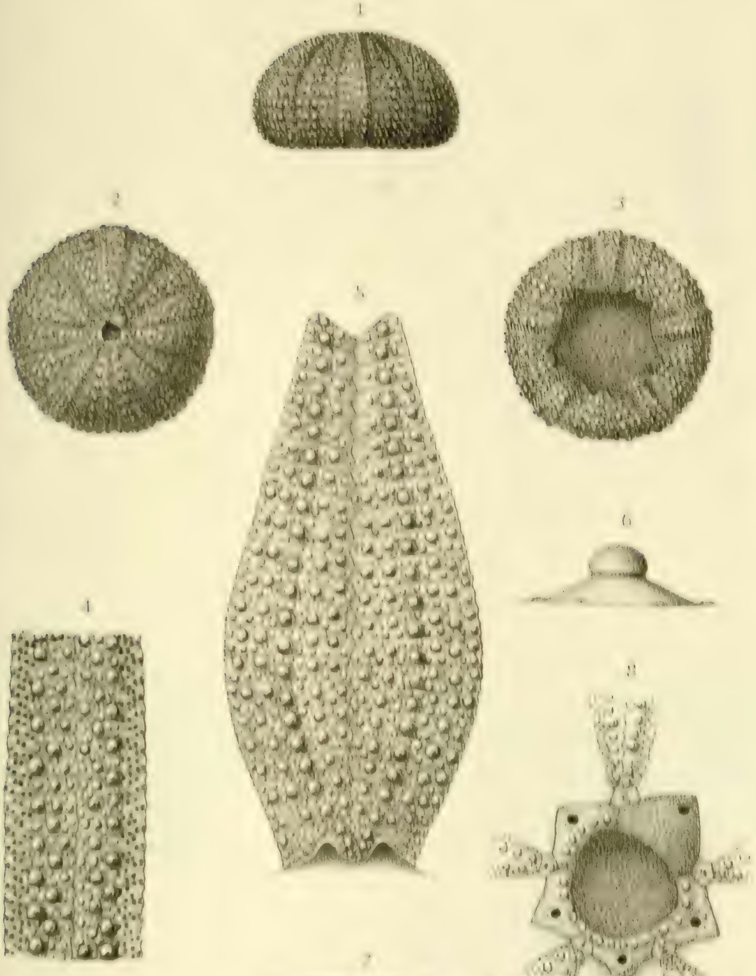
5

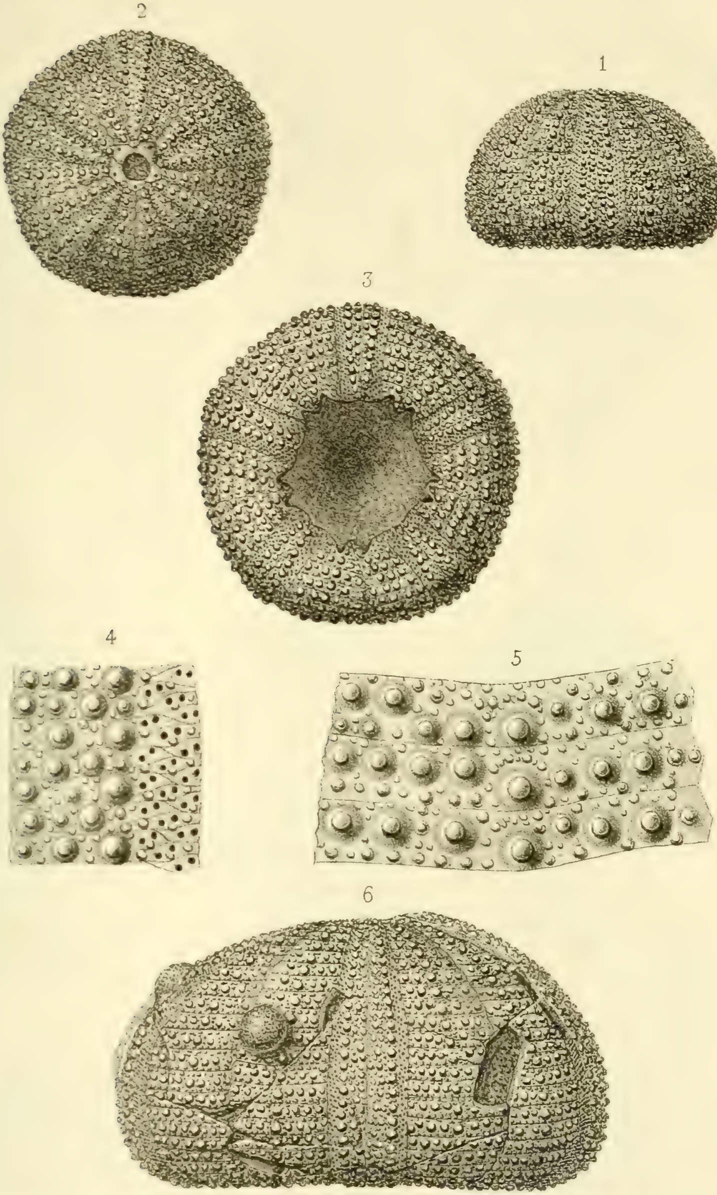
Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Stomechinus pyramidatus, Cotteau. Callovien.



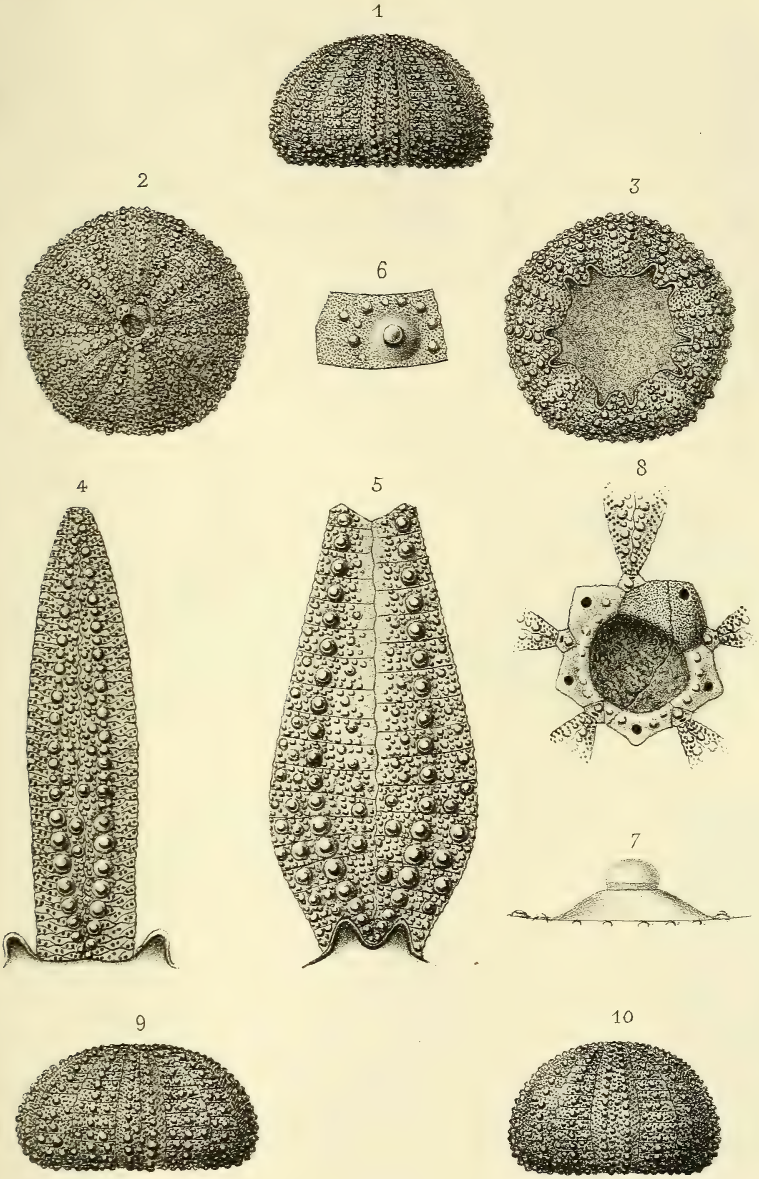
Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris

Stomechinus Heberti, Cotteau. Callovien



Humbert lith. G. Masson, Editeur. *Imp. Becquet et fr. Paris.*

Stomechinus Heberti, *Cotteau. Callovien.*



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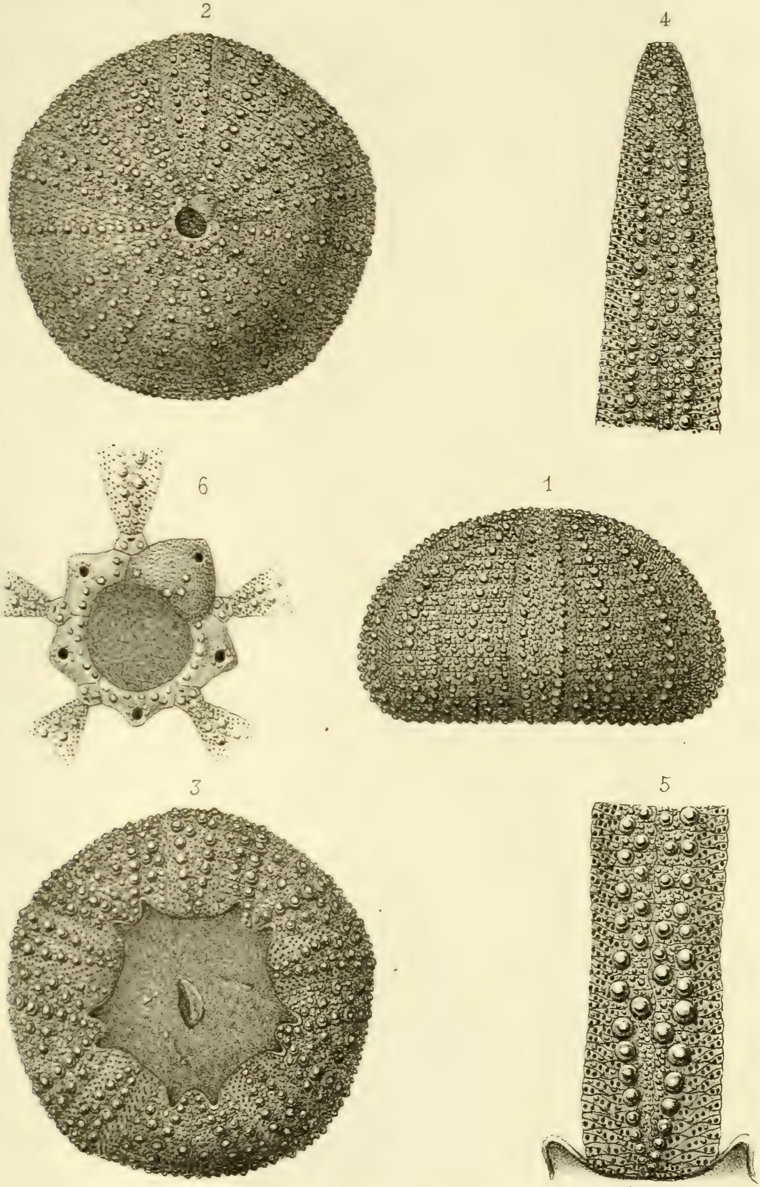
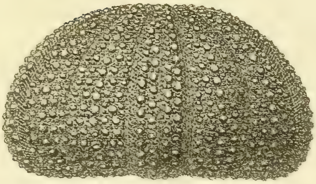
Stomechinus calloviensis, Cotteau. Callovien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Stomechinus perlatus (Agassiz), Desor. Corallien.

1



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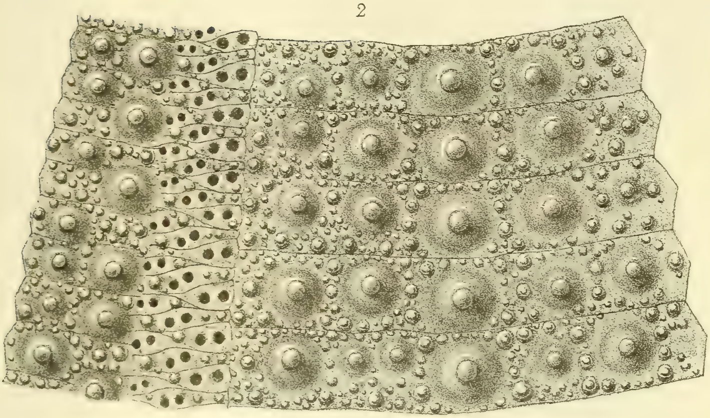

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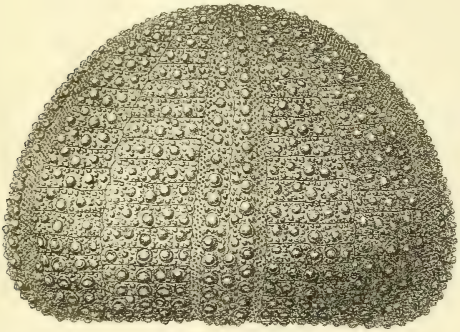
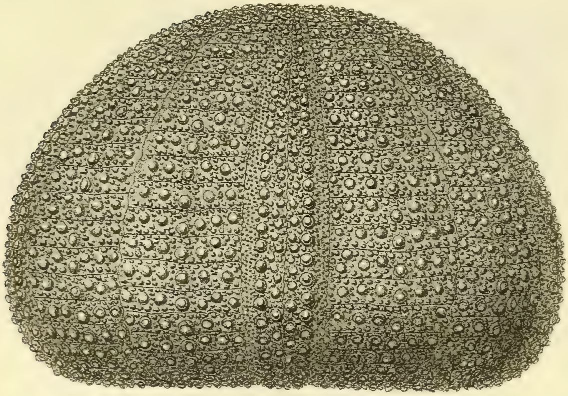


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Stomechinus perlatus (Desmarest), Desor. Corallien.

1



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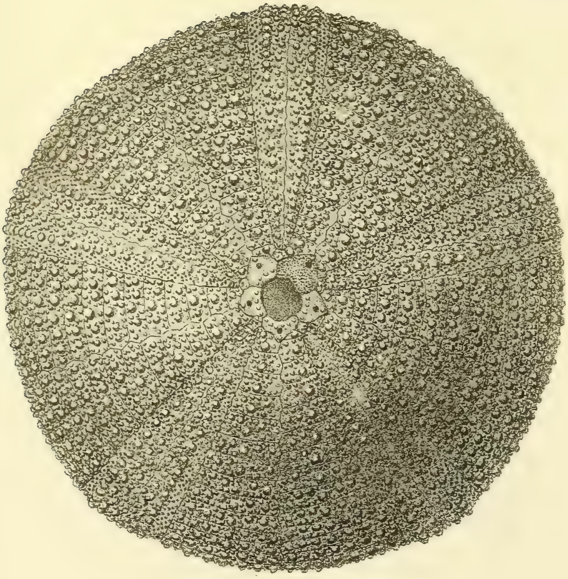

Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Stomechinus perlatus (Desmarest), Desor. Corallien.

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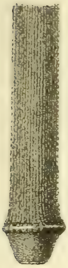

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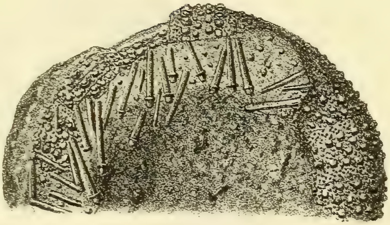

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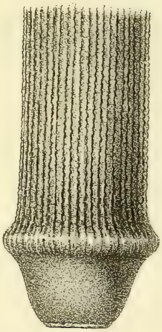

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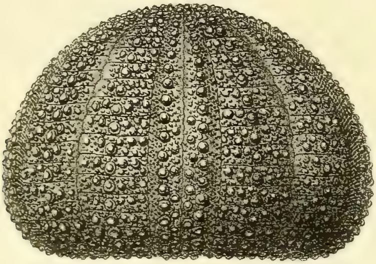

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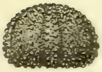

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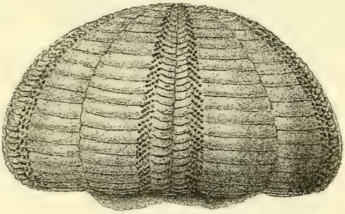

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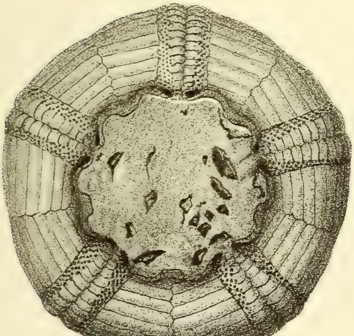

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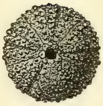

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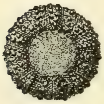
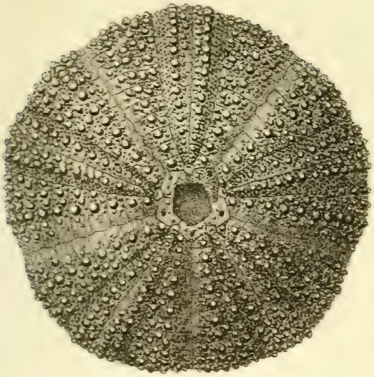


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Stomechinus perlatus (Desmarets), Desor. Corallien.

2



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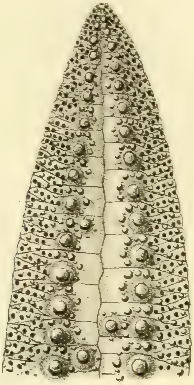

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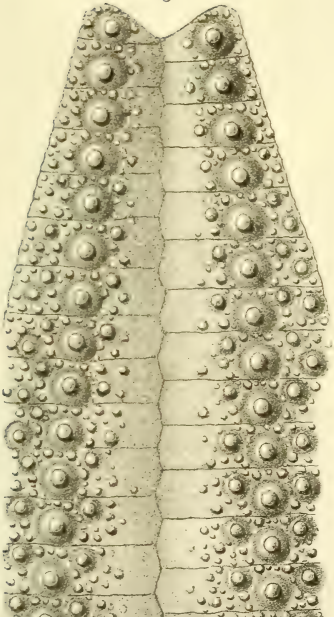

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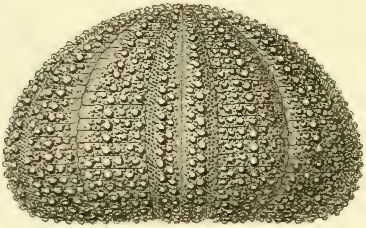

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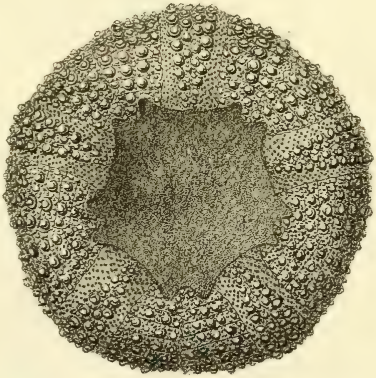
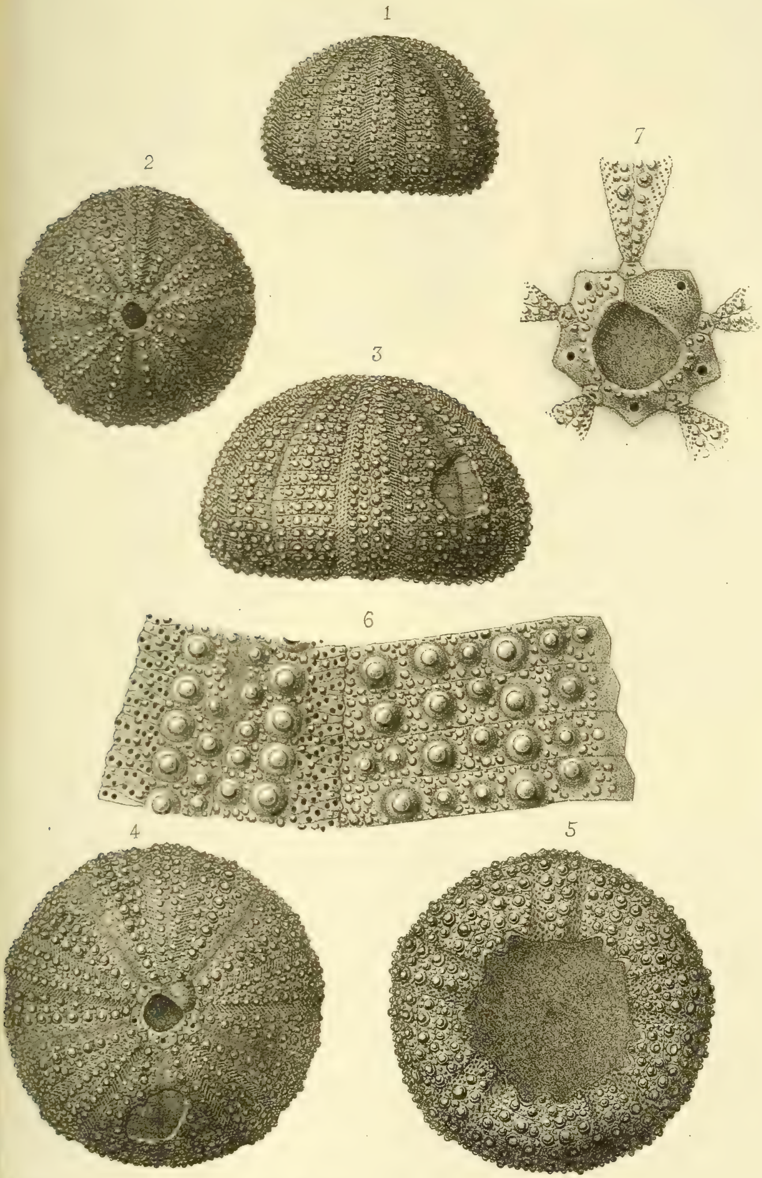


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Stomechinus gyratus (Agassiz), Desor. Corallien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Stomechinus gyratus (Agassiz), Desor. Corallien.

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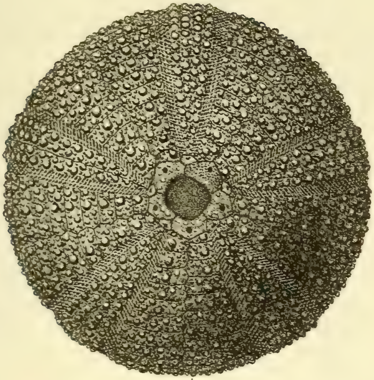

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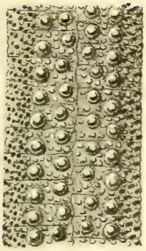

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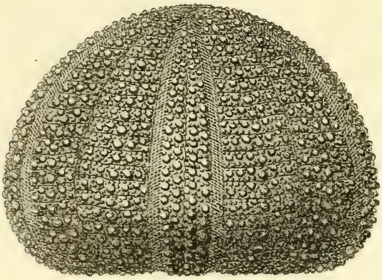

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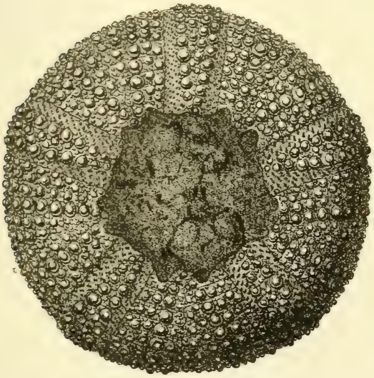

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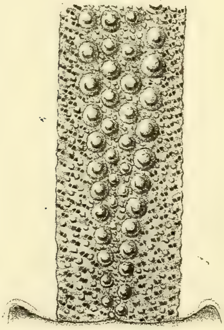
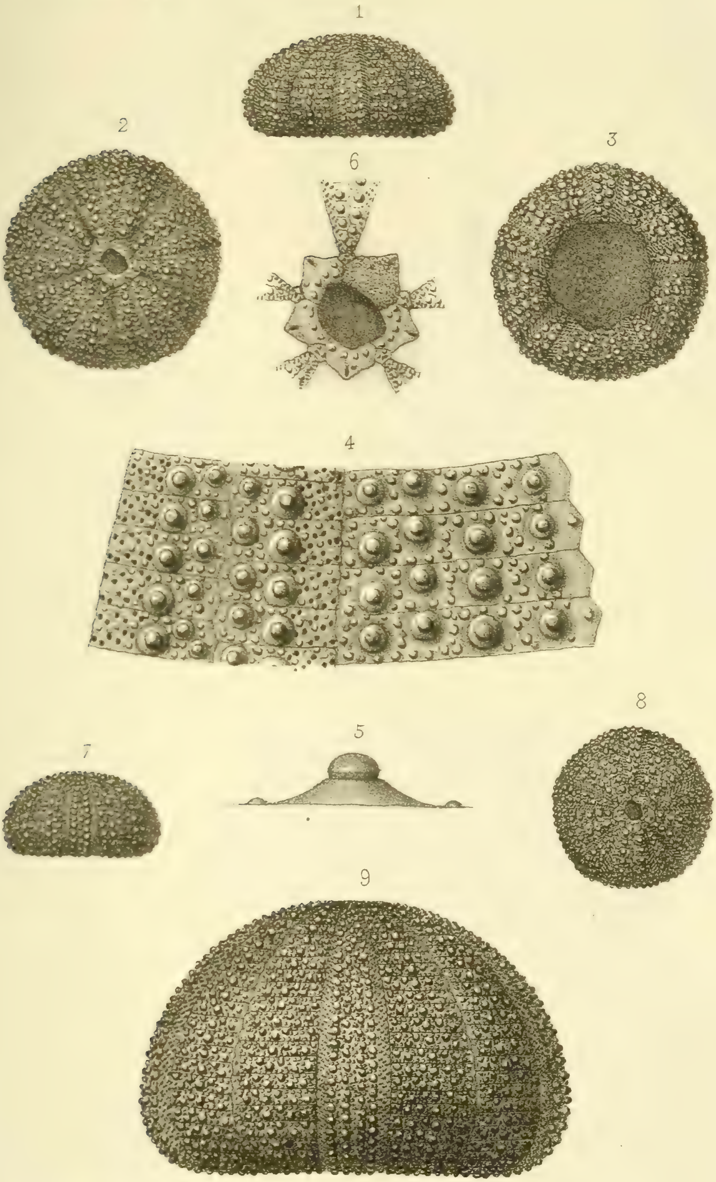


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Stomechinus Robineaui (Cotteau), Desor. Corallien.



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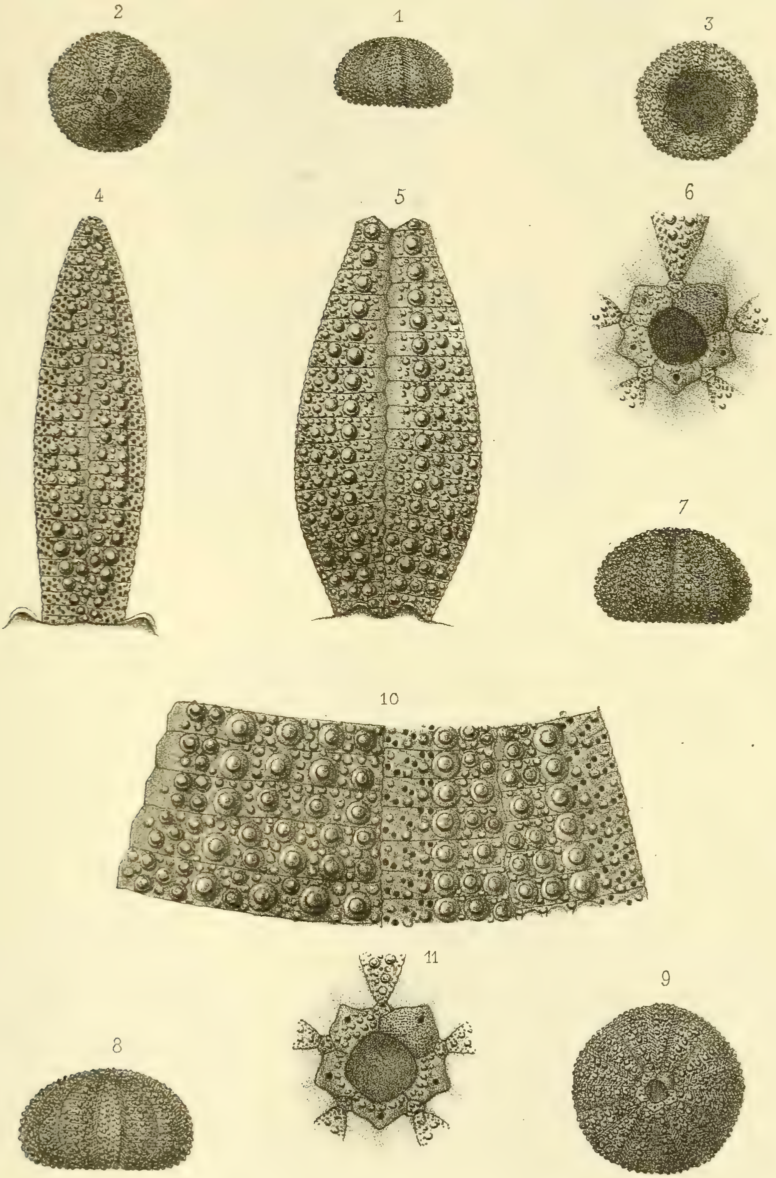
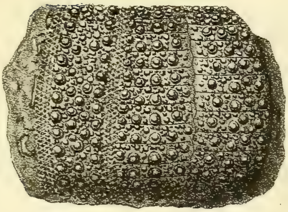
Stomechinus Robineaui (Cotteau), Desor. Corallien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Stomechinus distinctus (Agassiz), Cotteau. Corallien.

1



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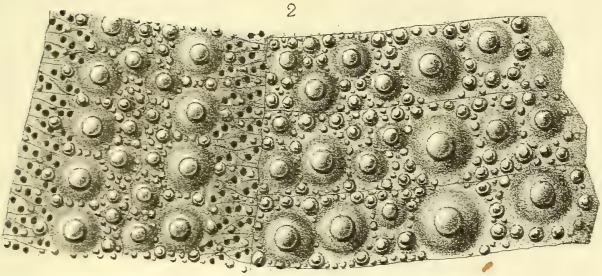

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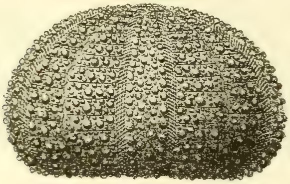

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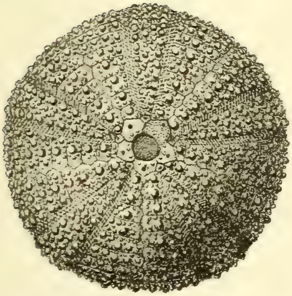

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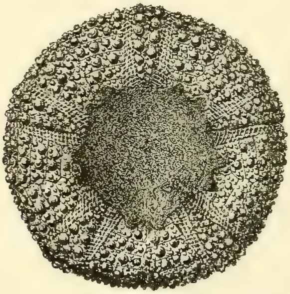
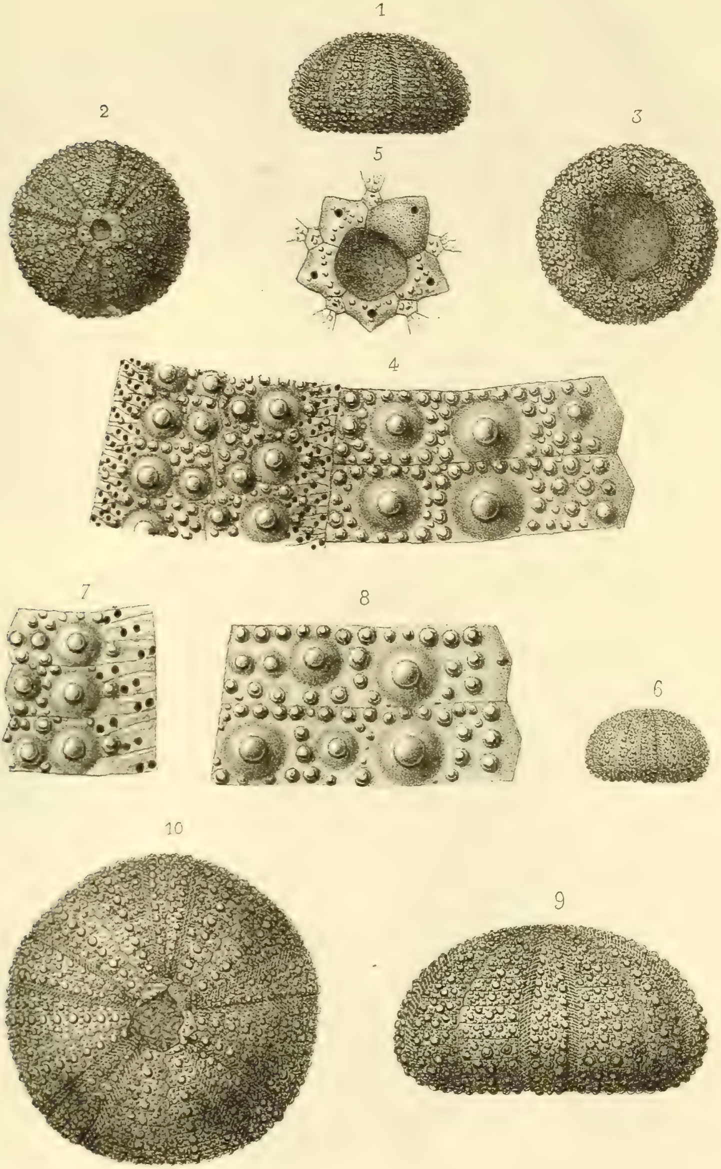


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

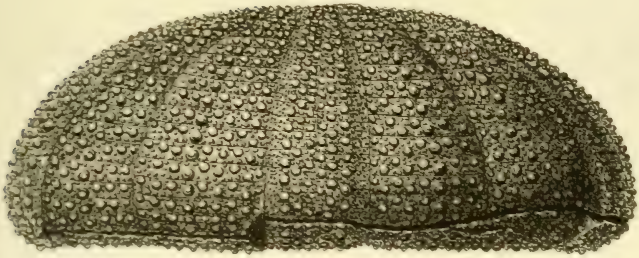
Stomechinus semiplacenta (Agassiz), Desor. Kimméridgien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Stomechinus semiplacenta (Agassiz), Desor. Kimméridgien.

1



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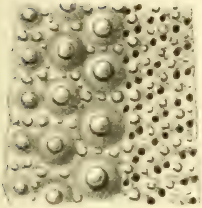

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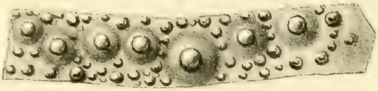

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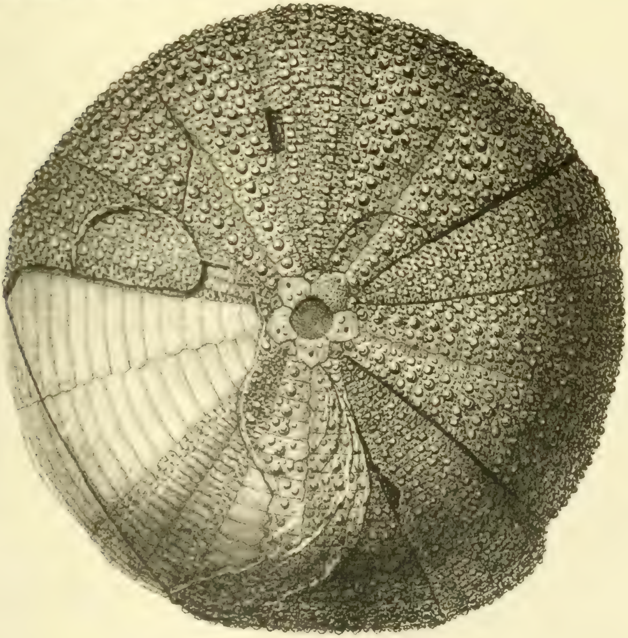
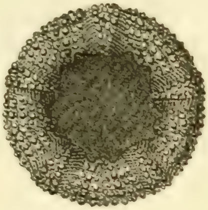


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Stomechinus monsbeligardensis (Thurmann), Desor. Kimméridgien.

2

3



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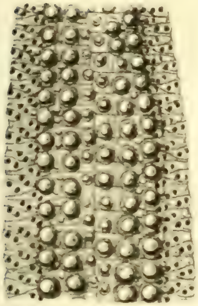

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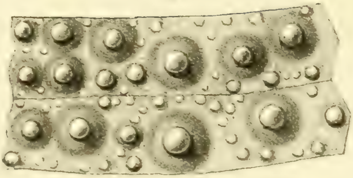

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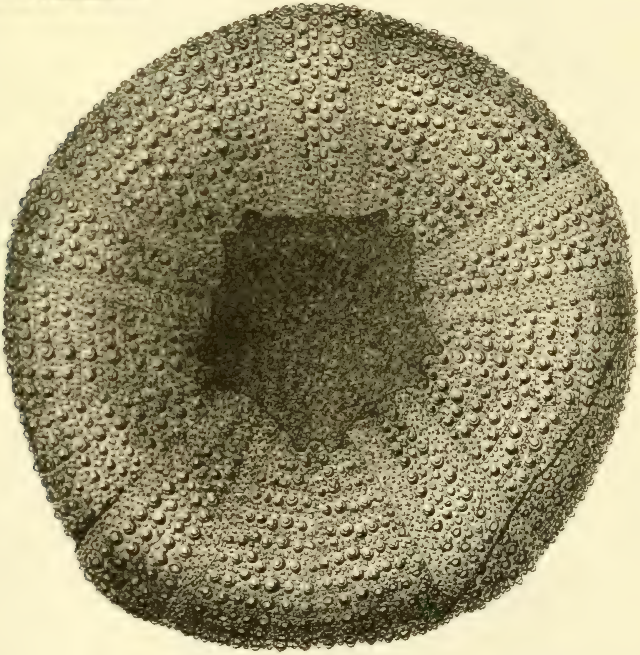
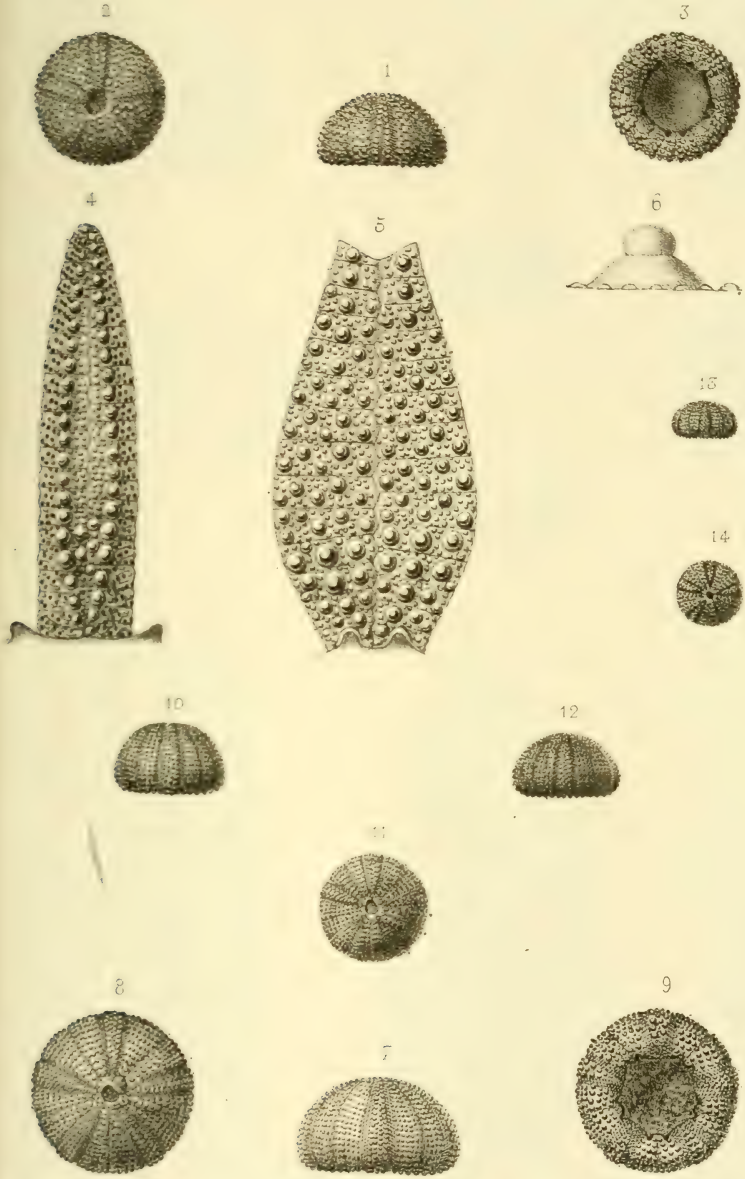


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

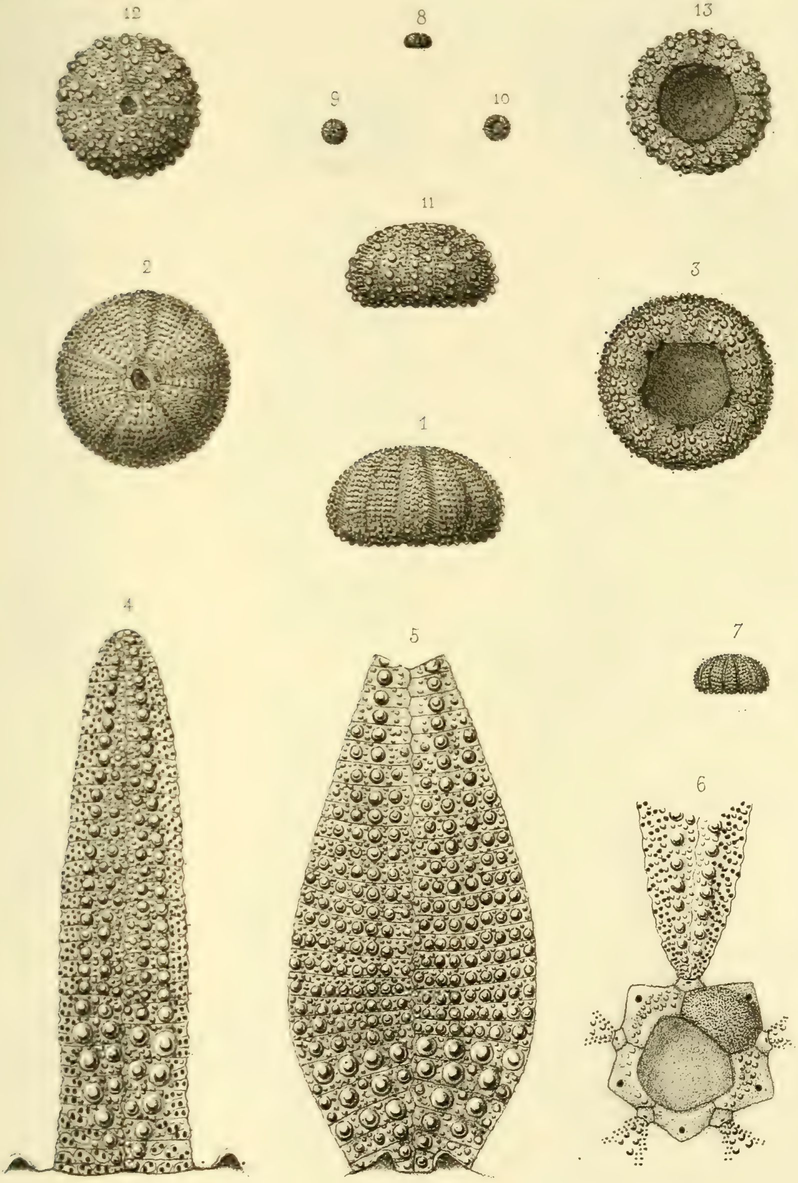
1. *Stomechinus monsbeligardensis (Thurmann), Desor. Kimméridgien.*
2_5. *S. ———— microcyphus, Wright. Bathonien.*



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

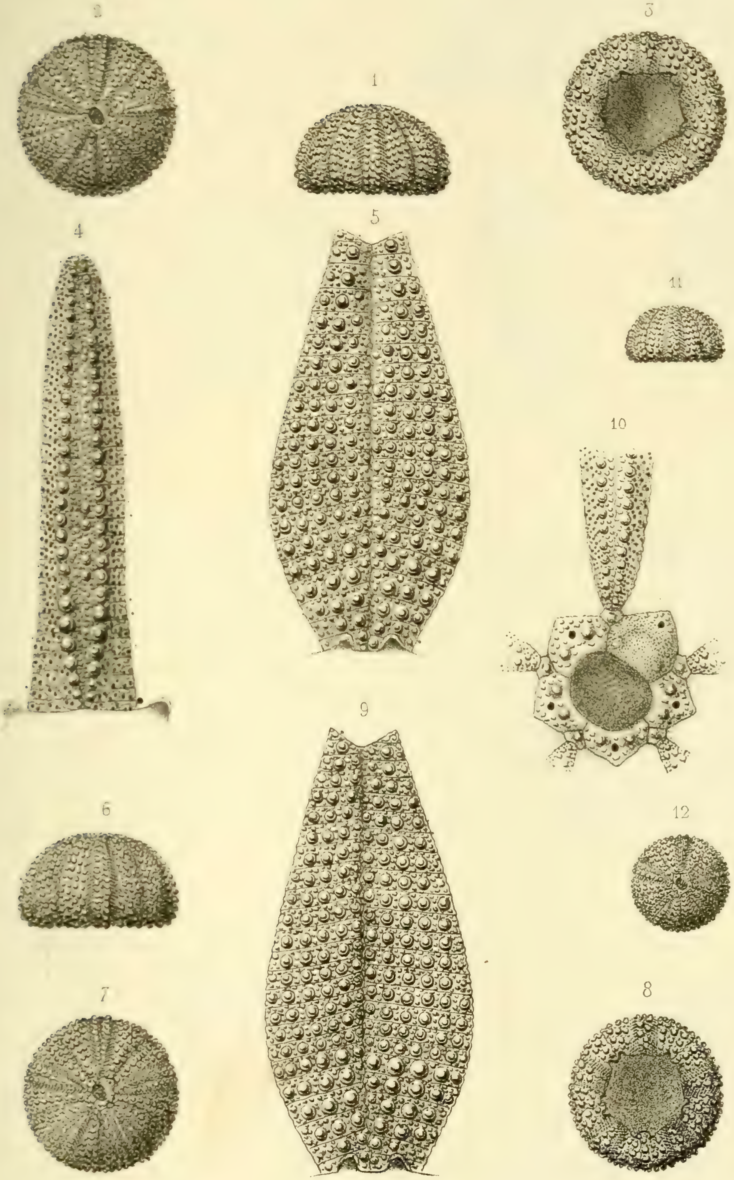
1 _ 6. Polycyphus Jauberti, Cotteau. Bathonien.

7 _ 14. P.____ ____ normannus (Agassiz), Desor. Bathonien.



Humbert lith.   G. Masson, Editeur.   Imp. Becquet fr. Paris.

Polycyphus normannus (Agassiz), Desor. Bathonien.



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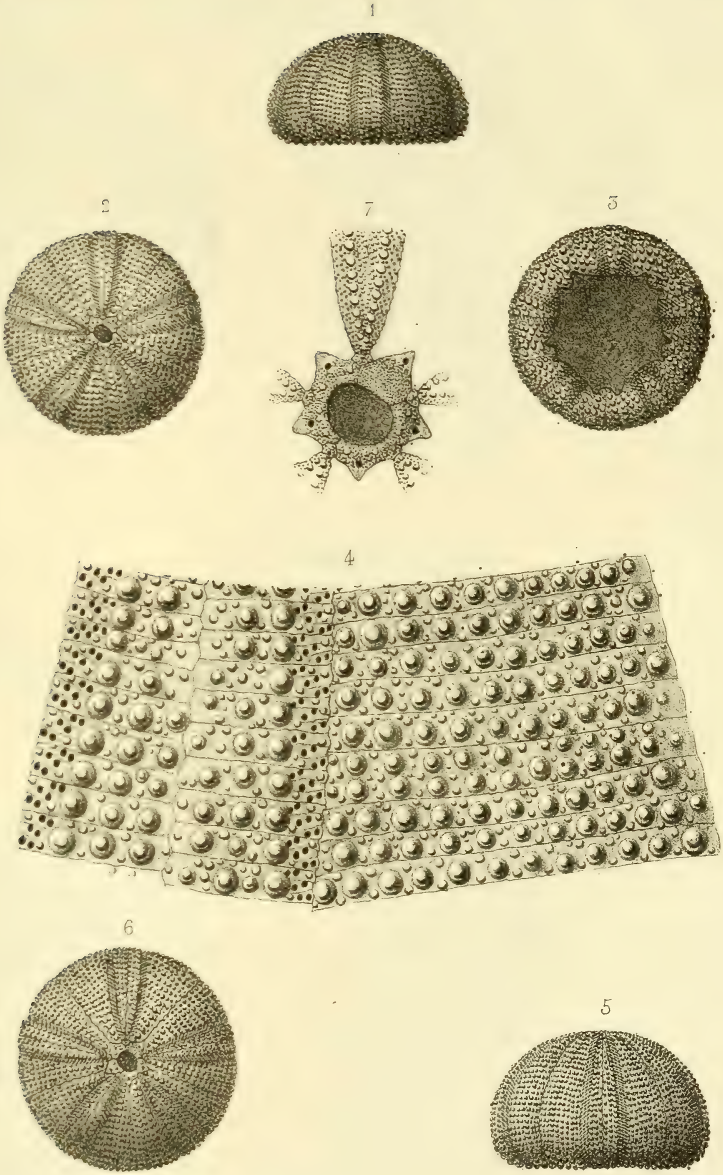
Polycyphus corallinus, *Cotteau. Bathonien.*



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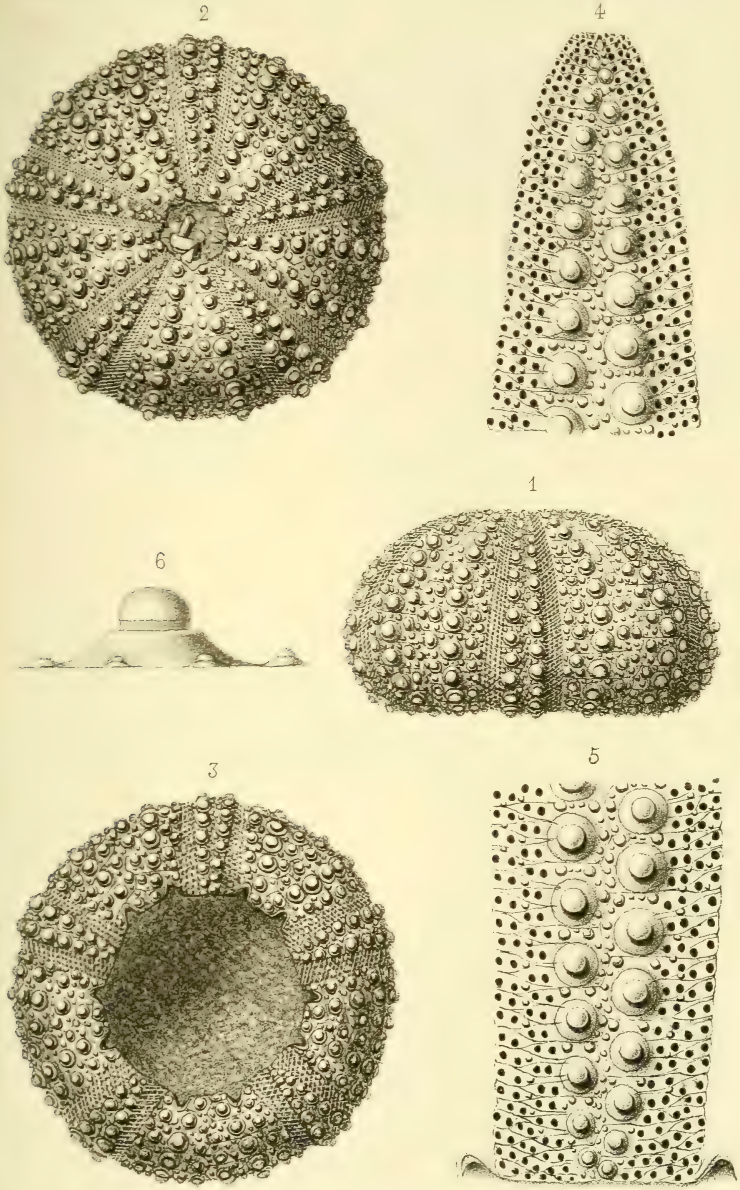
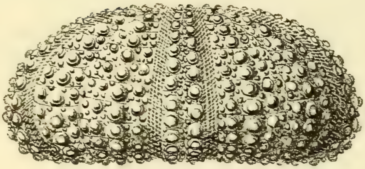
Polycyphus textilis, Agassiz. Callovien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Phymechinus mirabilis (Agassiz), Desor. Corallien.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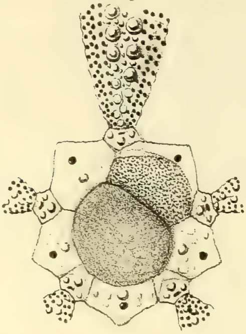
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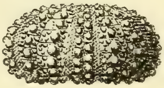
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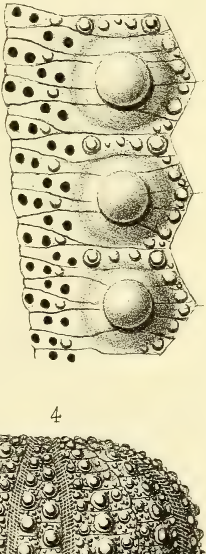
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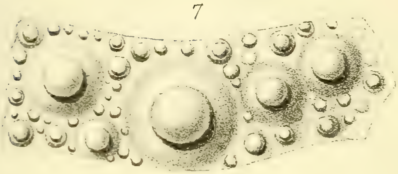
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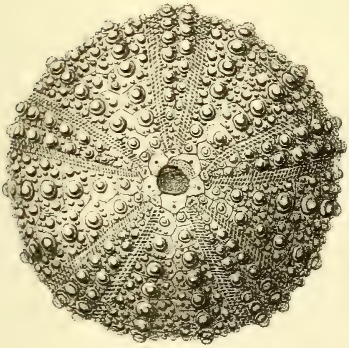
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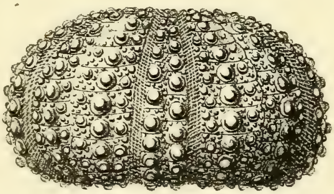
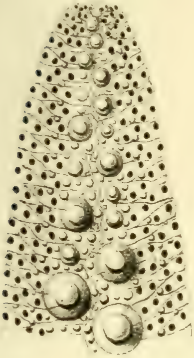

4

Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Phymechinus mirabilis (Agassiz), Desor. Corallien.

4



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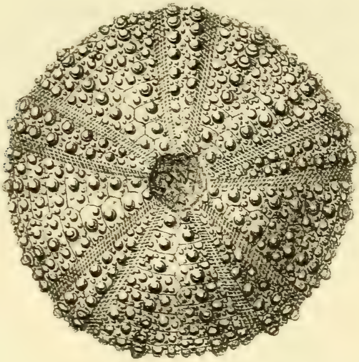

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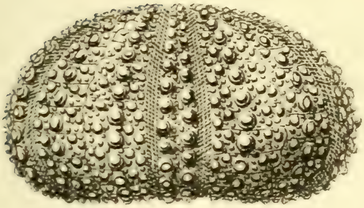

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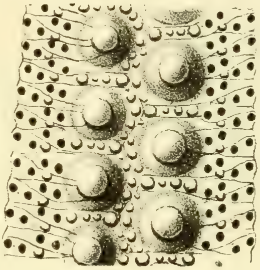

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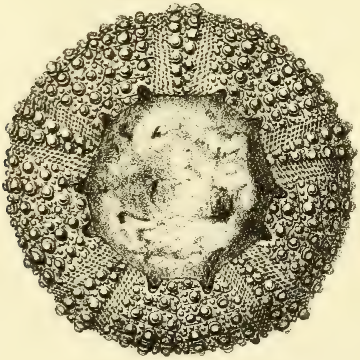

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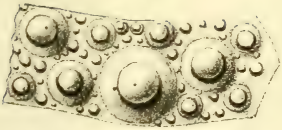
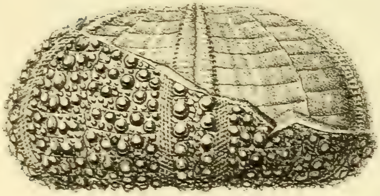


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Phymechinus Thiollierei, *Etallon. Corallien.*

1



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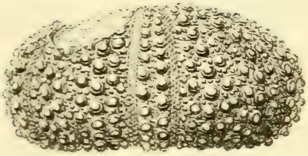

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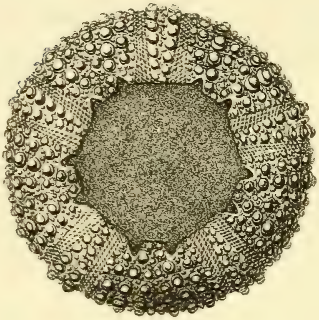

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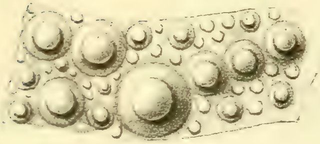

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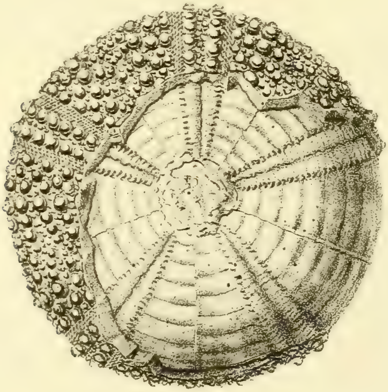
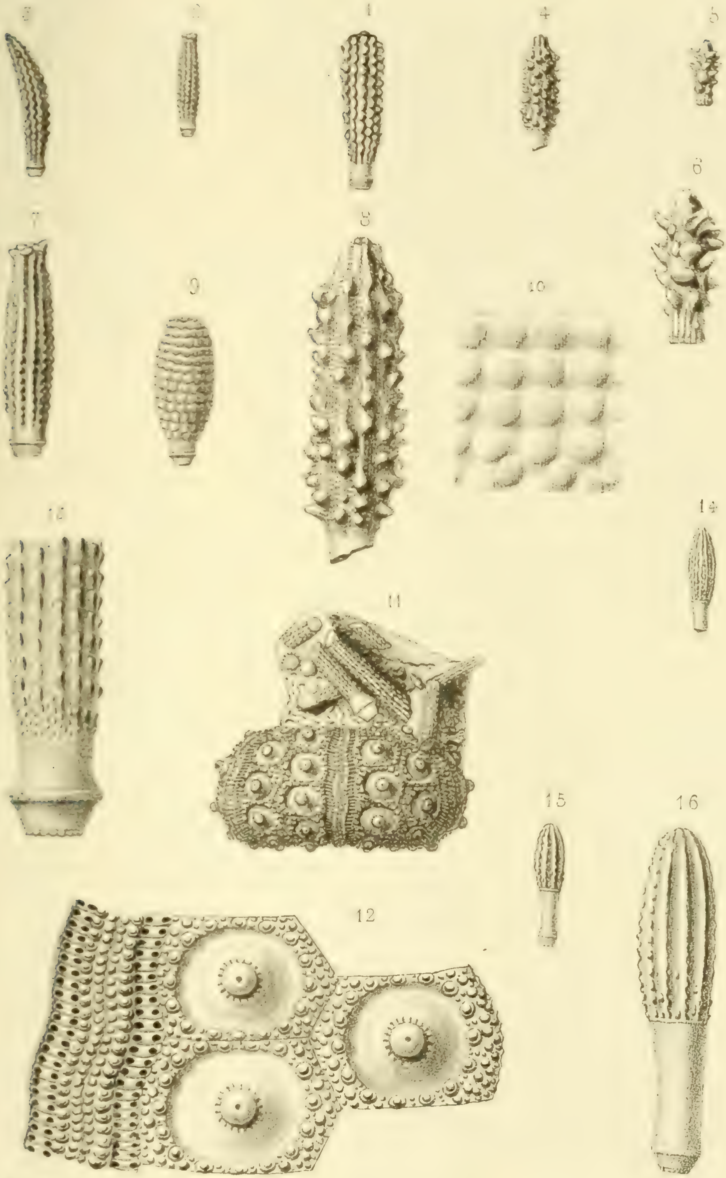


Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris.

Phymechinus Thiollierei, Etallon. Corallien.



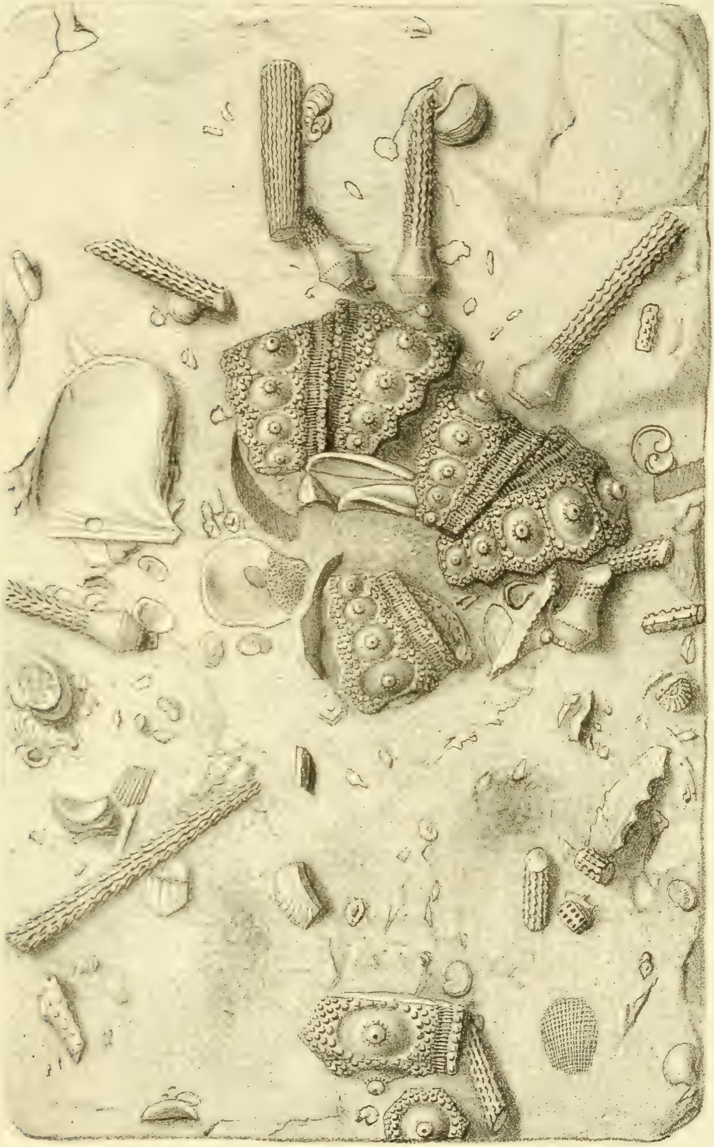
Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris.

1 _ 8. *Cidaris Pacomei*, Cotteau. Bajocien.

9 et 10. *C. ——— Peroni*, ——— ———

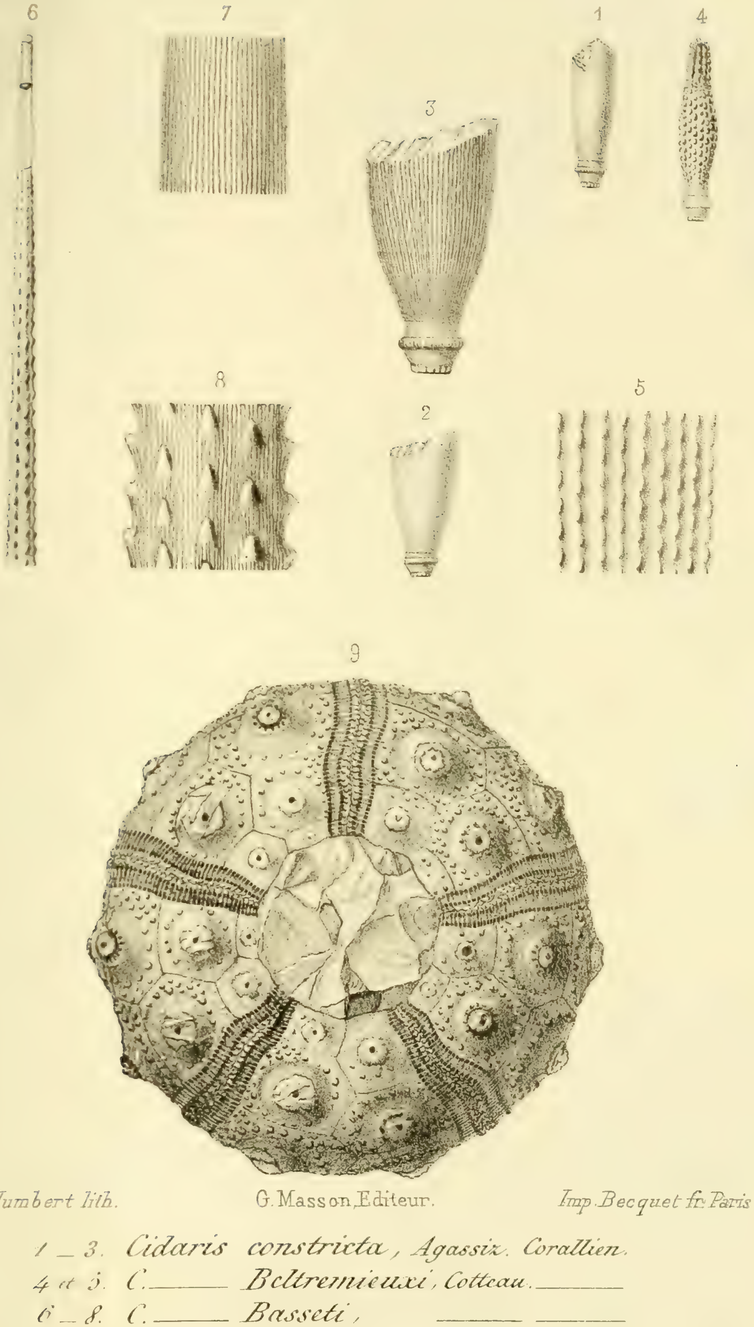
11 _ 13. *C. ——— bathonica*, ——— Bathonien.

14 _ 16. *C. ——— Davousti*, ——— Callovien.



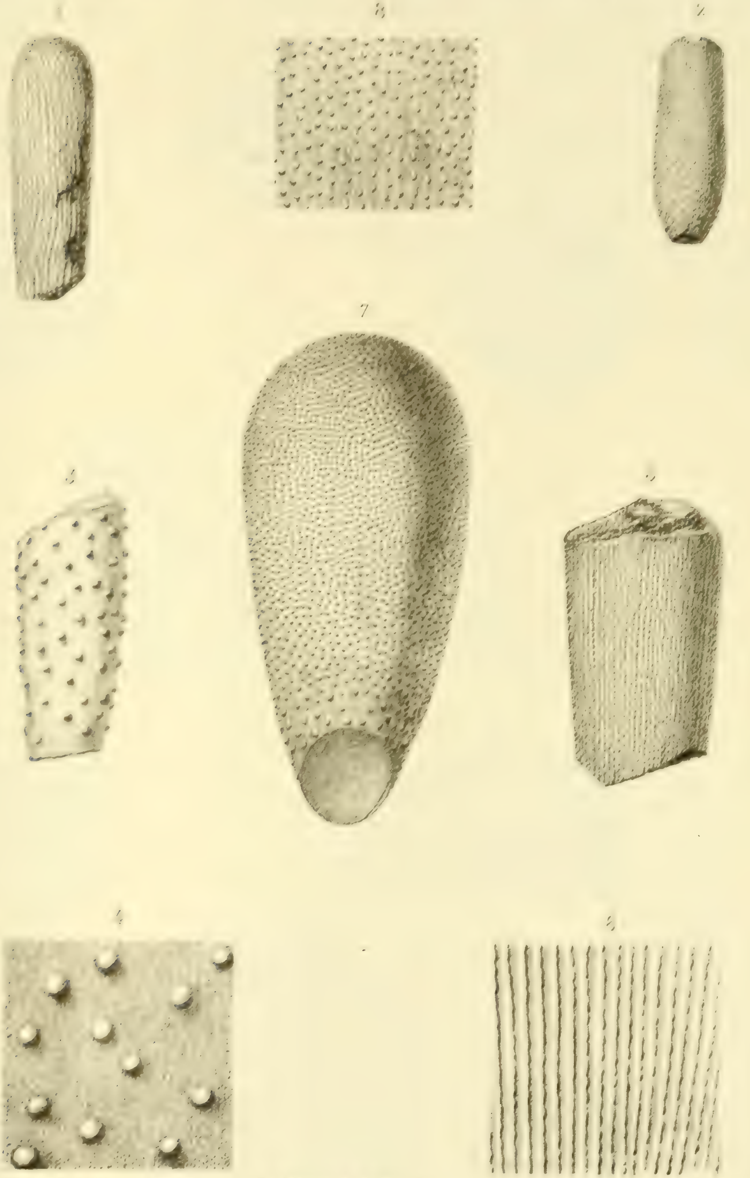
Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris.

Cidaris Blumenbachi, Goldfuss. Corallien.



Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris.

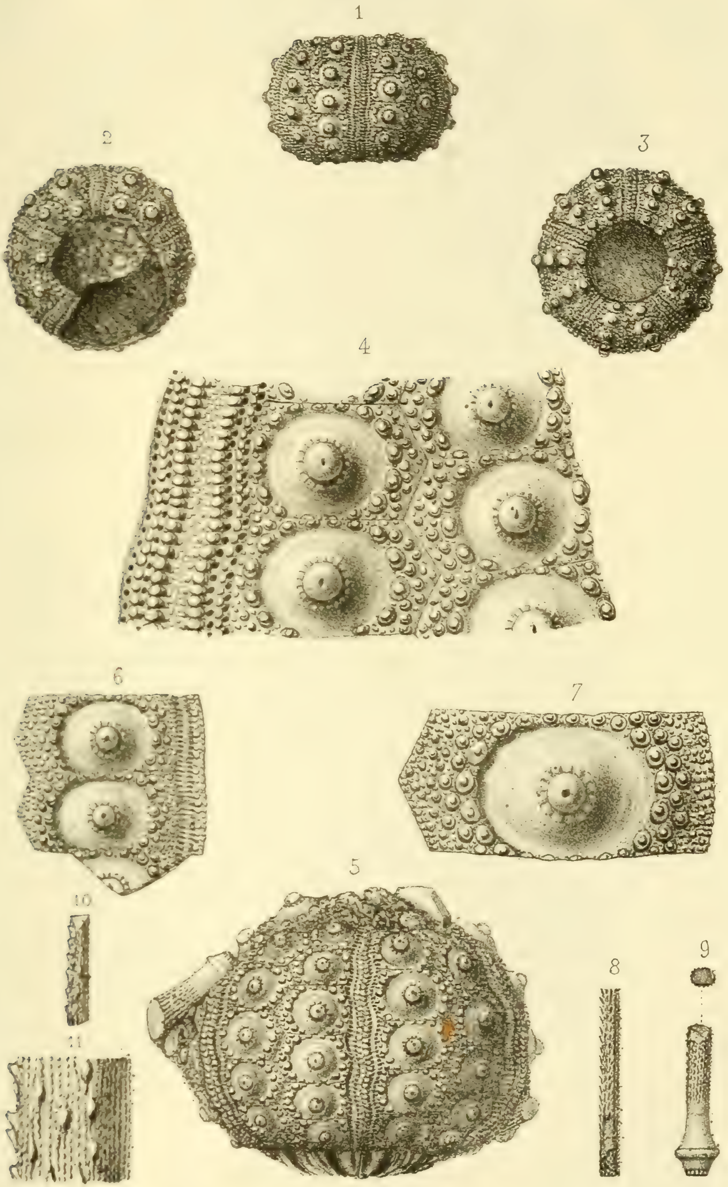
1 _ 3. *Cidaris constricta*, Agassiz. Corallien.
4 et 5. C. ——— *Beltremieuxi*, Cotteau. ———
6 _ 8. C. ——— *Basseti*, ——— ———
9. C. ——— *glandifera*, Goldfuss. Jurass. supér.



Humbert lith. — G. Masson, Editeur. — Imp. Becquet fr. Paris.

1 _ 6. *Rhabdocidaris Ferryi*, Cotteau. Bajocien.

7 et 8. *R.* ———— *crassissima*, ——— Callovien.



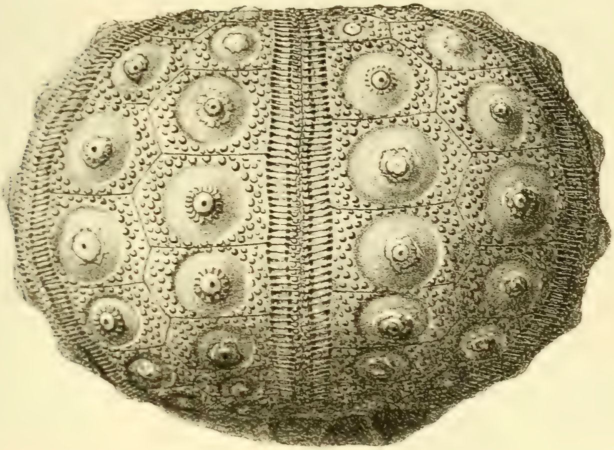
Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

1_4. *Cidaris houllefortensis*, Cotteau. Corallien inf.

5. C.—— *florigemma*, Phillips. Kimméridgien.

6_11. *Rhabdocidaris bononiensis*, Cotteau. Kimméridgien.

1



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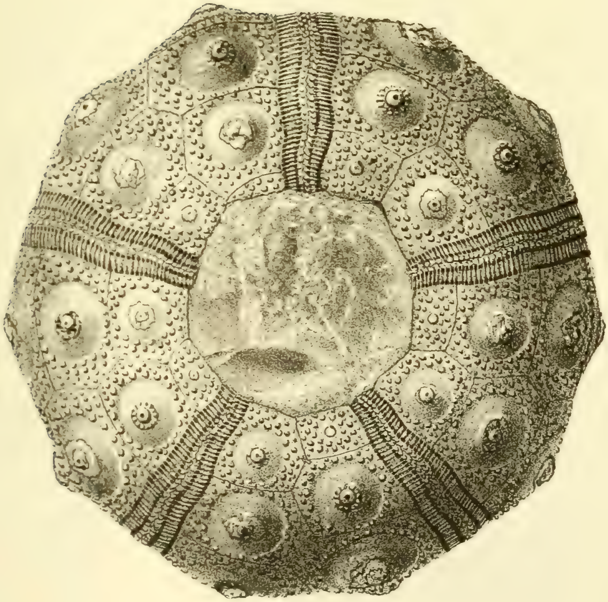
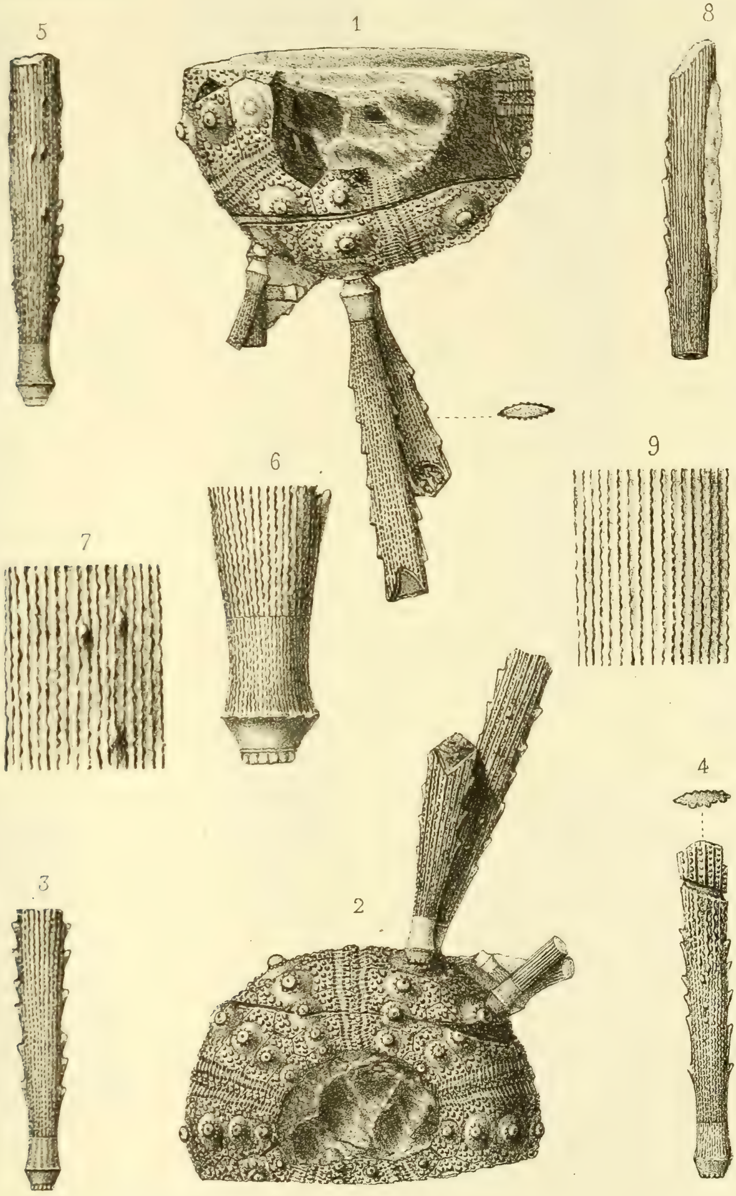


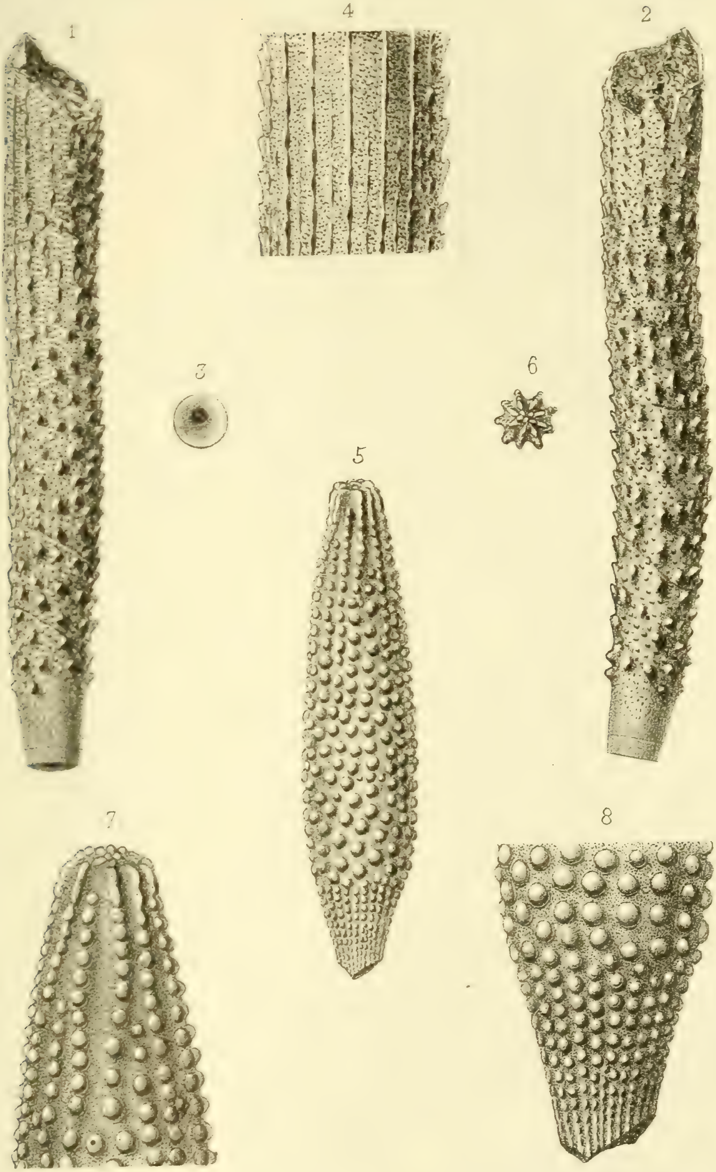
Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris.

Rhabdocidaris maxima (Munster), de Loriol. Jurassique sup.



Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris.

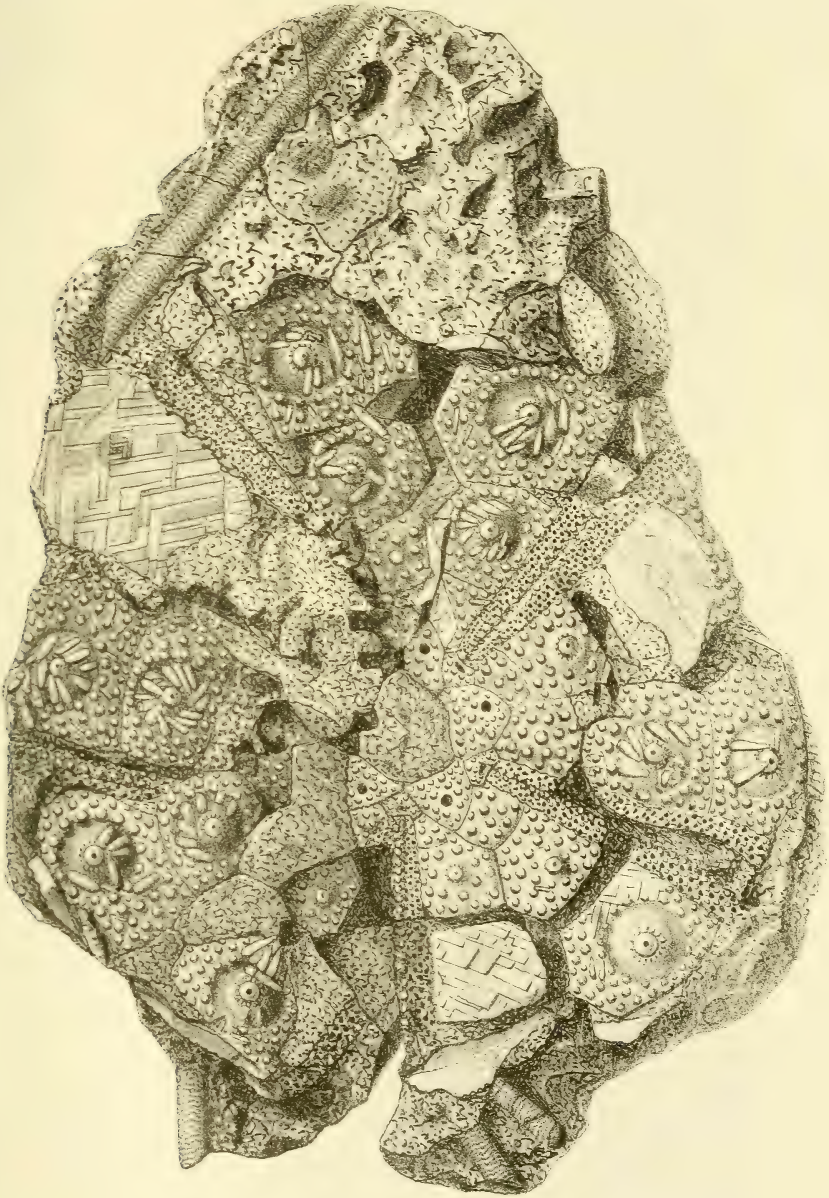
Rhabdocidaris Durandi, Peron et Gauthier. Kimméridgien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

1 _ 4. Rhabdocidaris megalacantha (Agassiz), Desor. Corallien inf.

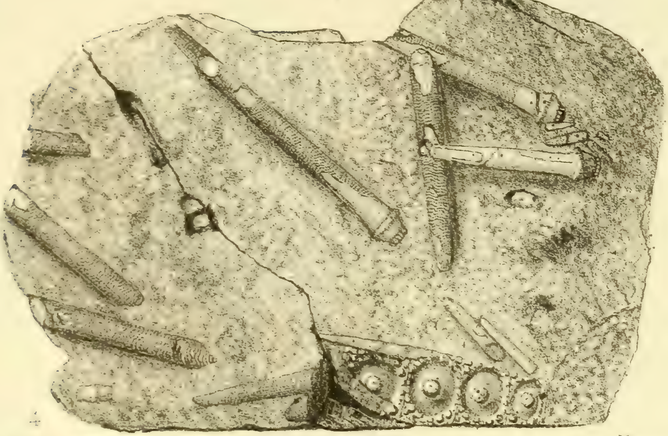
5 _ 8. Diplocidaris Velaini, Cotteau. Bajocien.



Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris.

Diplocidaris Etalloni, de Loriol. Corallien inf.

3



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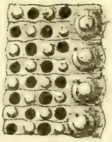

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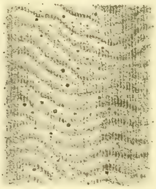

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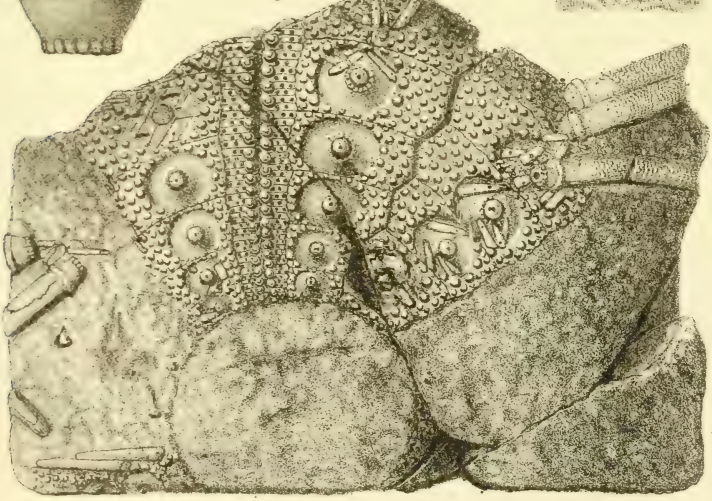
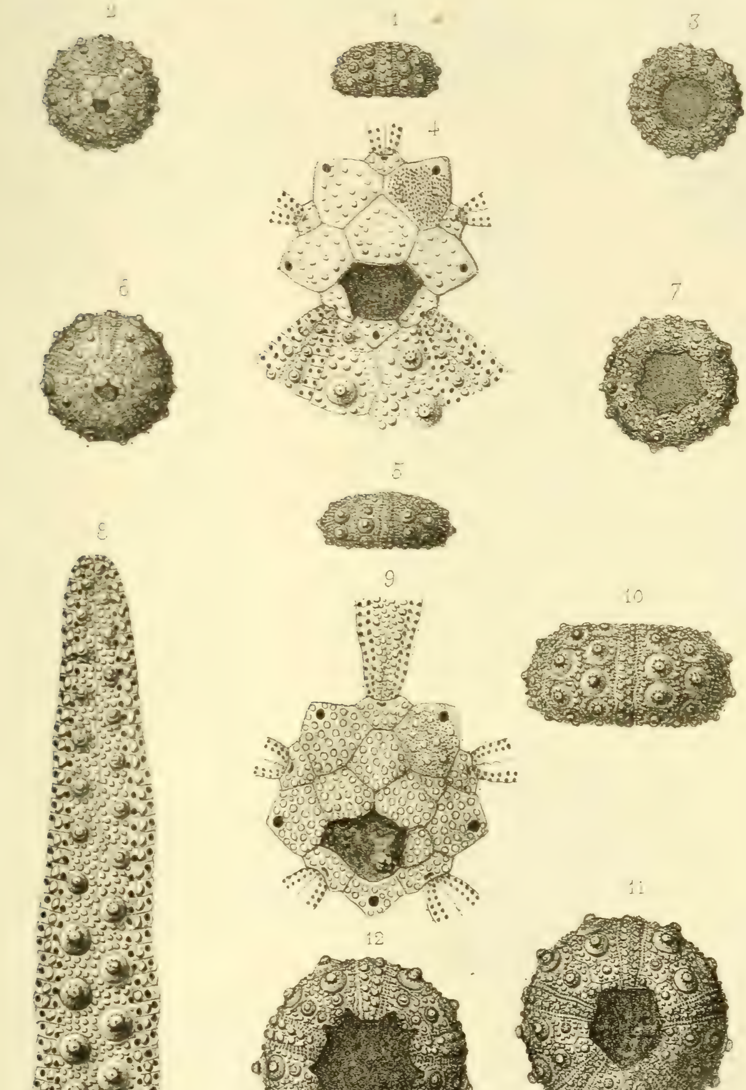


Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris.

Diplocidaris Etalloni, de Loriol. Corallien inf.

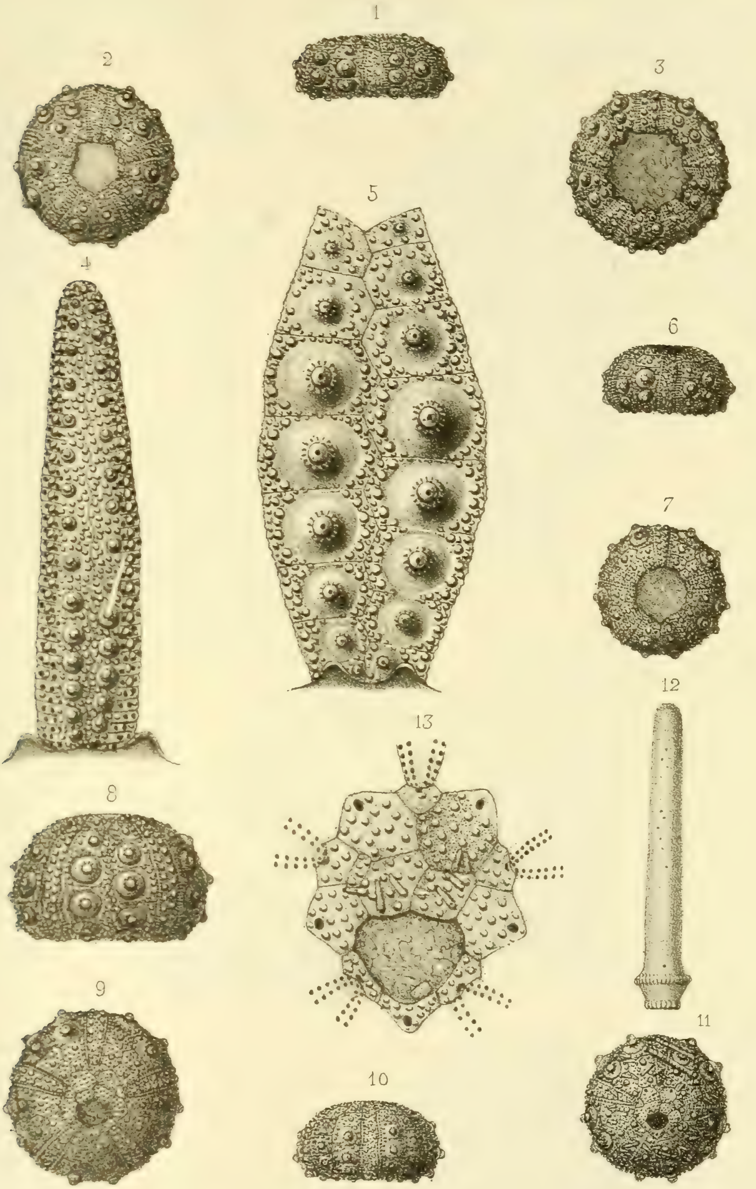


Humbert lith. G. Masson. Editeur. Imp. Becquet fr. Paris.

1 _ 4. Acrosalenia spinosa, Agassiz. Bajocien.

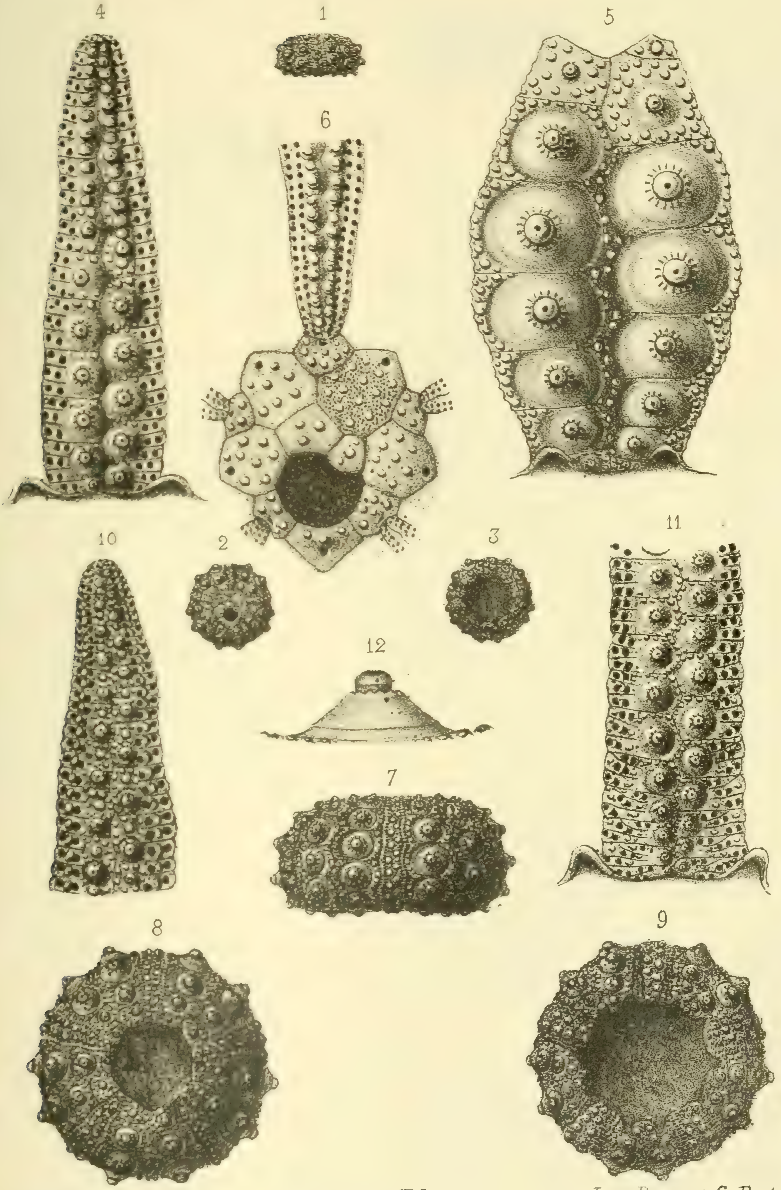
5 _ 9. A. ——— Lamarcki (Des Moulins), Wright. Bathonien.

10 _ 11. A. ——— pustulata, Forbes. Bathonien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

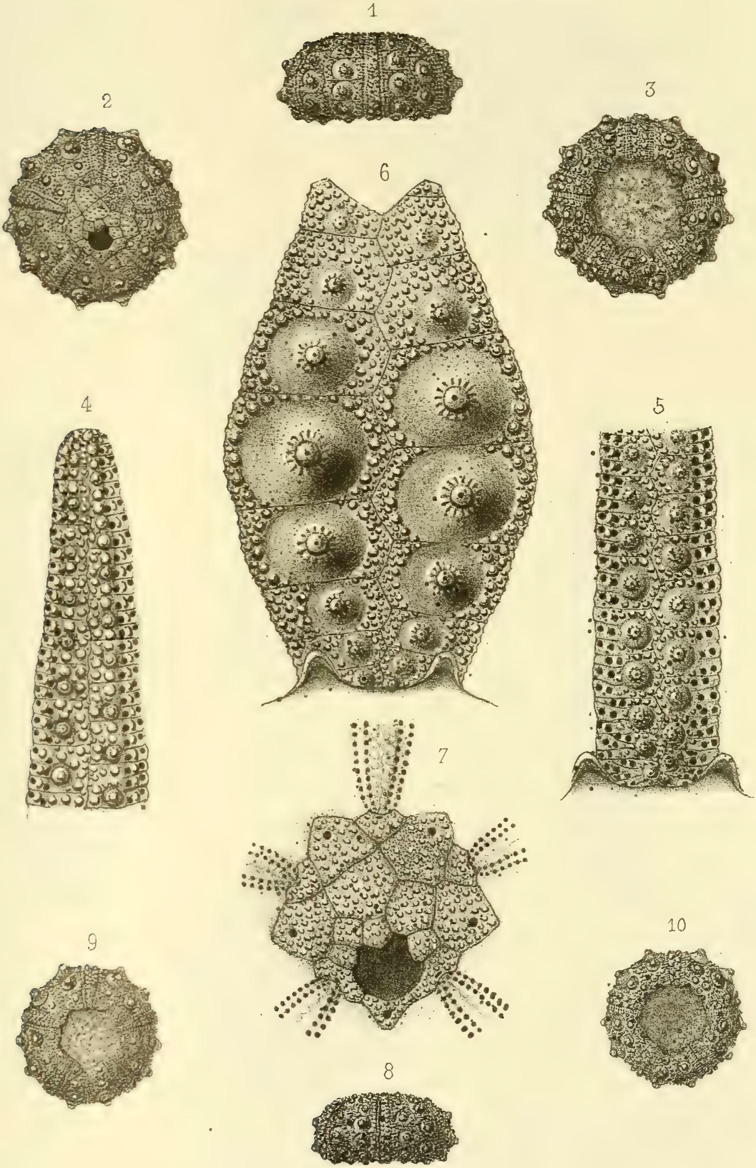
Acrosalenia pustulata, Forbes. Bathonien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

1 _ 6. *Acrosalenia pulchella*, Cotteau. Bathonien.

7–12. *A. ——— porifera*, ——— ———



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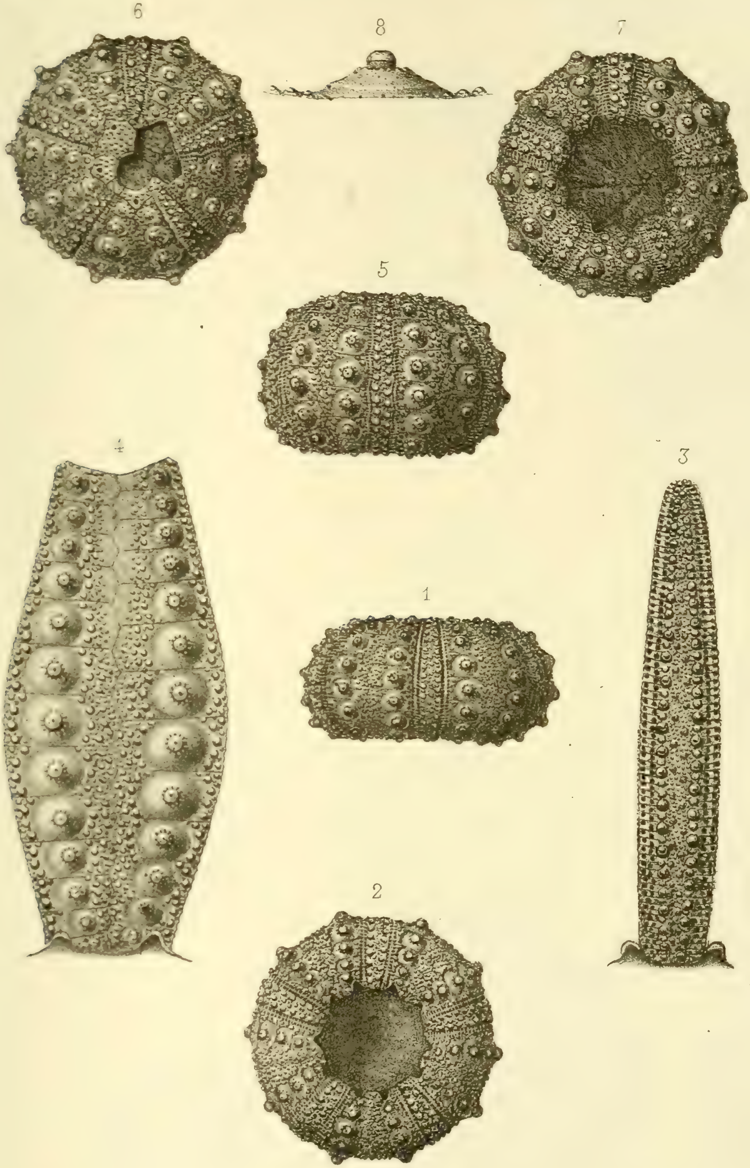
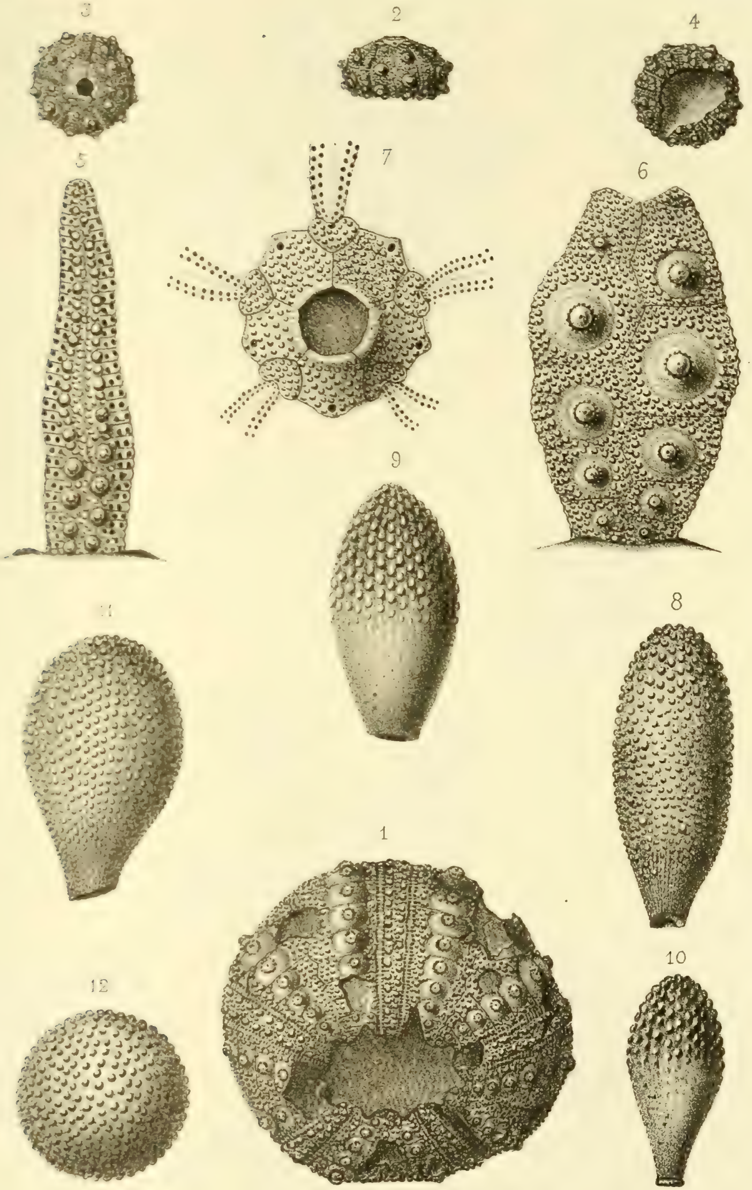
Acrosalenia bradfordensis, Rigaux. Bathonien.



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

1_4. *Acrosalenia libyca, Peron et Gauthier. Kimméridgien.*

5_8. *A. ——— incerta, —— — ——— ————*

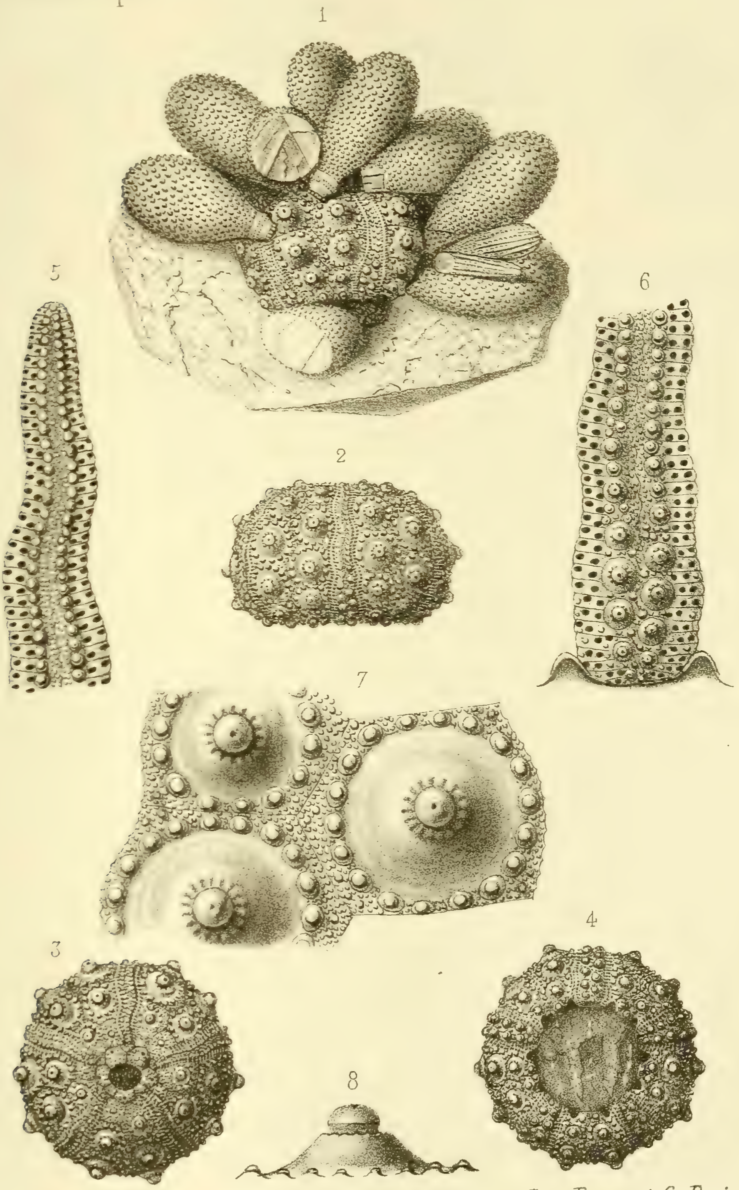


Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris.

1. *Acrosalenia libyca*, Peron et Gauthier. Kimméridgien.

2 _ 7. *Pseudocidaris Michelini*, Cotteau. Callovien.

8 _ 12. *P.* ———— *rechigana*, Peron et Gauthier. Kimméridgien.

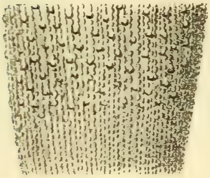


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

1. *Pseudocidaris mammosa* (Agassiz), de Loriol. Corallien sup.

2 – 8. *P.* ——— *Durandi*, Peron et Gauthier. Kimméridgien.

3



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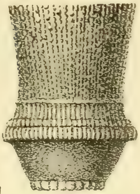

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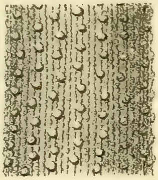
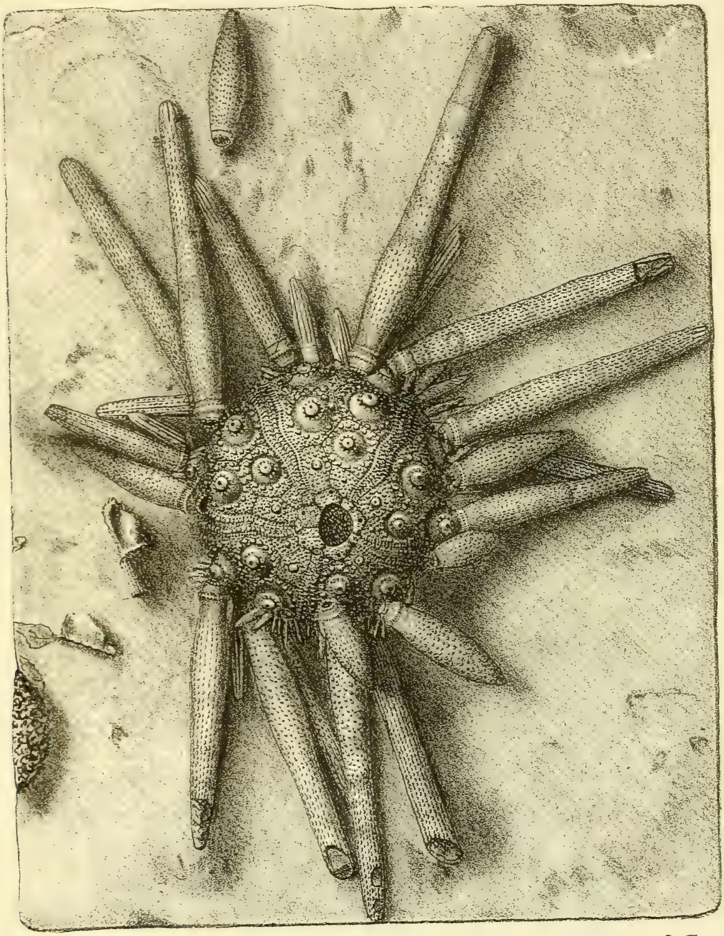
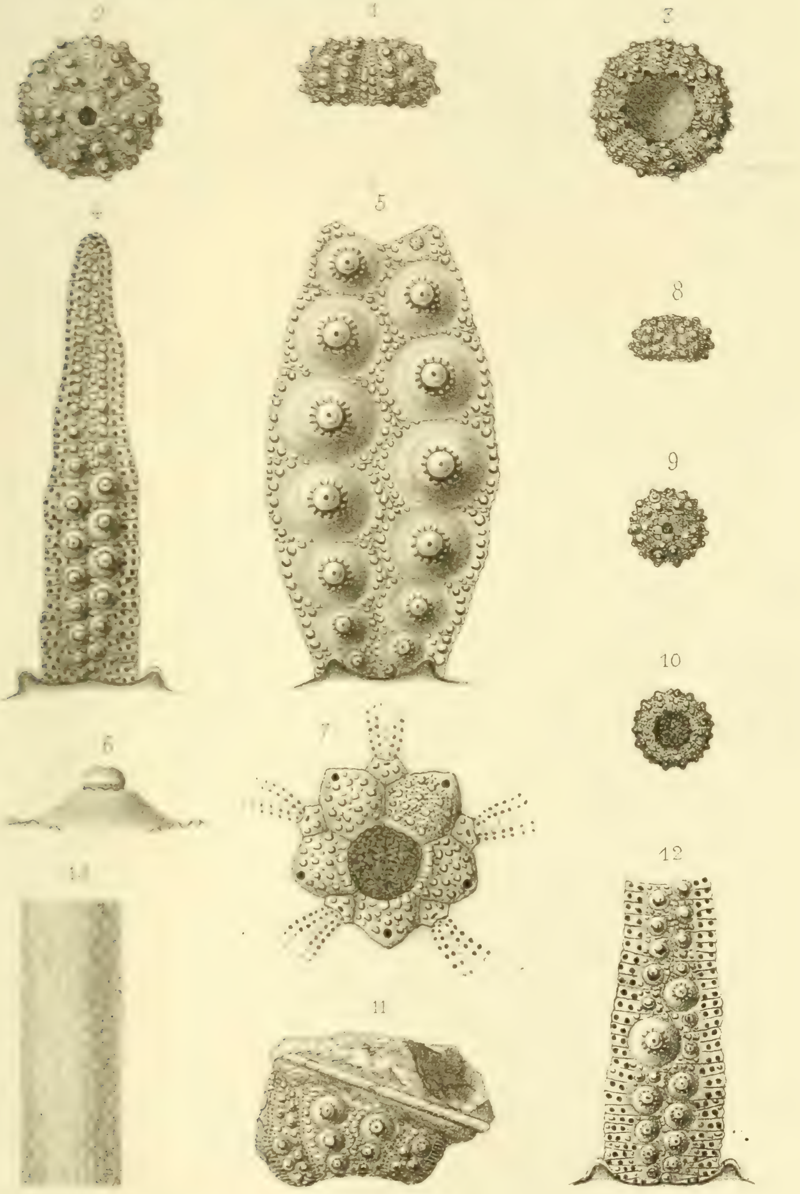


1



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Pseudocidaris Durandi, Peron et Gauthier. Kimméridgien.



Humbert lith. G. Masson Editeur. *Imp. Becquet fr. Paris.*

1 – 10. Hemicidaris Legayi, Cotteau. Bathonien.
11 – 13. H. ———— intermedia, Wright. Corallien.

3

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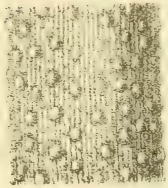

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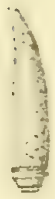

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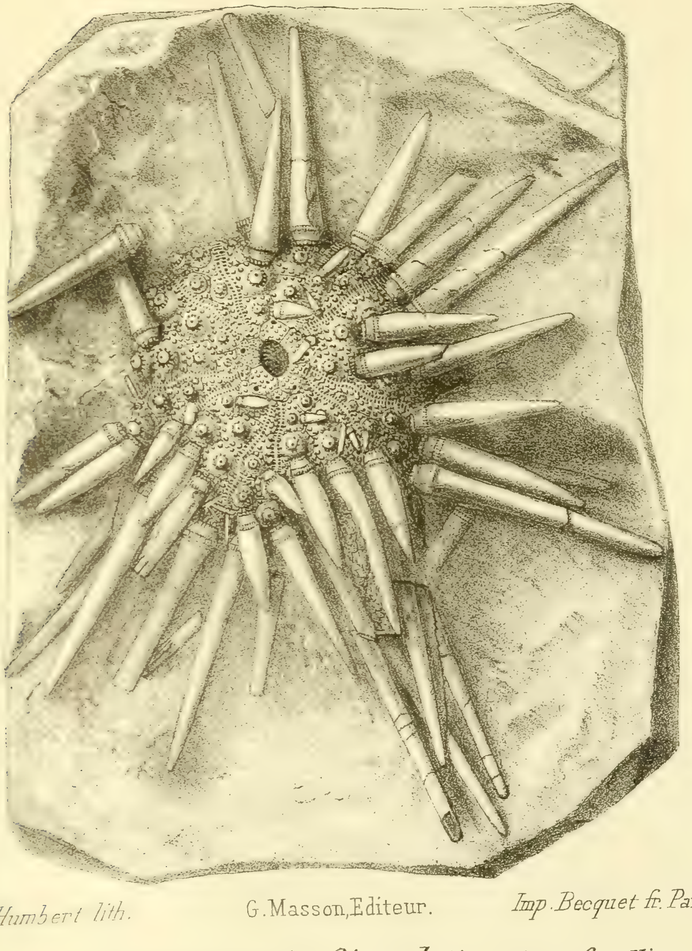
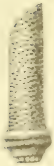


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

1 _ 5. Hemicidaris Girardoti, Cotteau. Corallien.
6. H. ——— stramonium, Agassiz. Kimméridgien.

3



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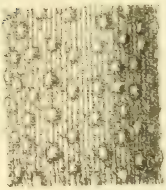

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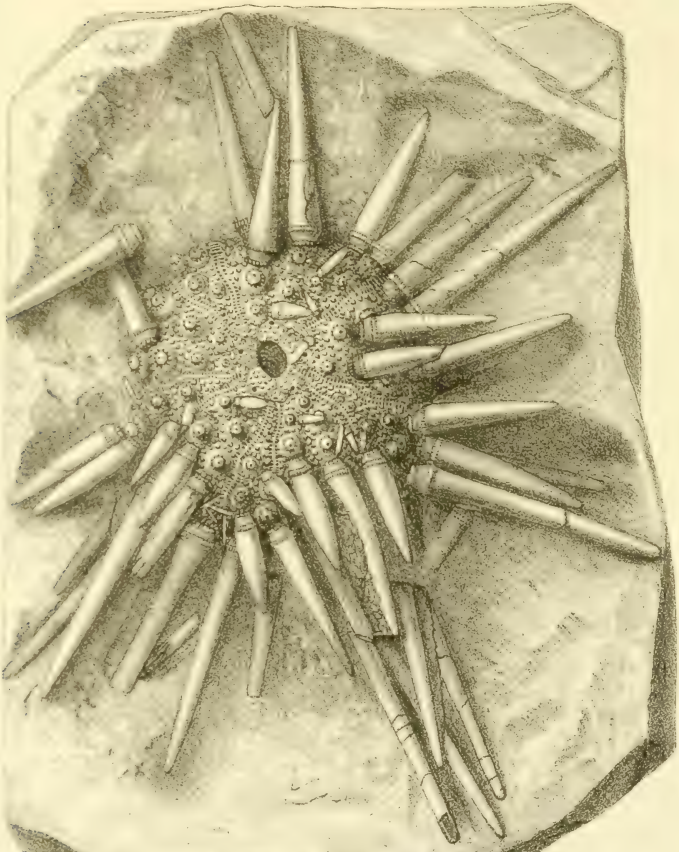
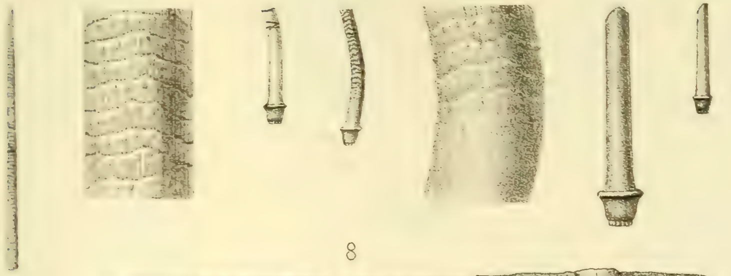


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

1 – 5. Hemicidaris Girardoti, Cotteau. Corallien.
6. H. ———— stramonium, Agassiz. Kimméridgien.

1 2 3 4 5 7 6



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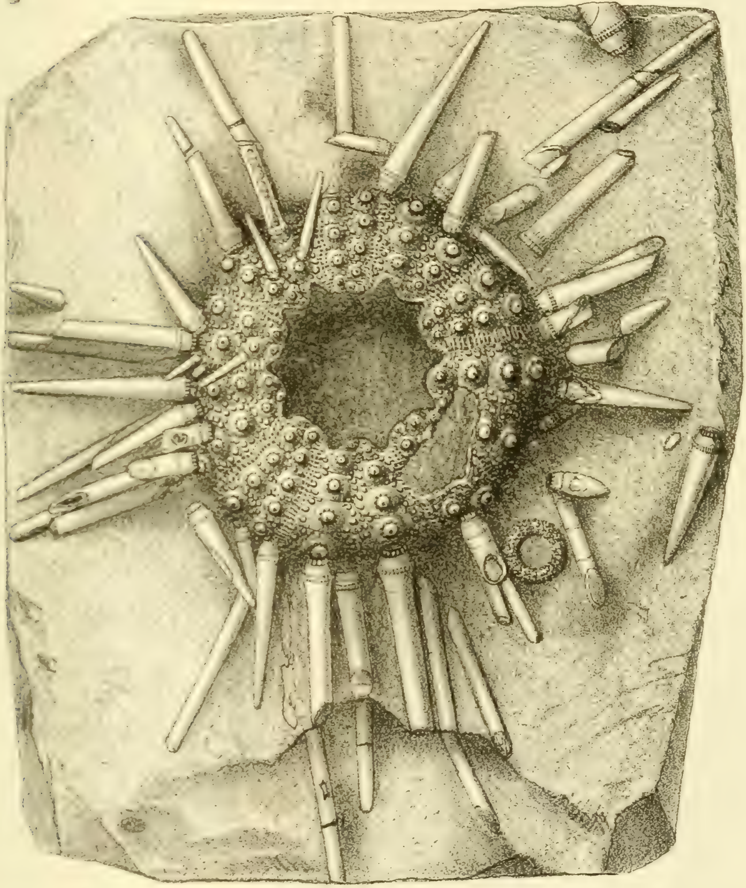
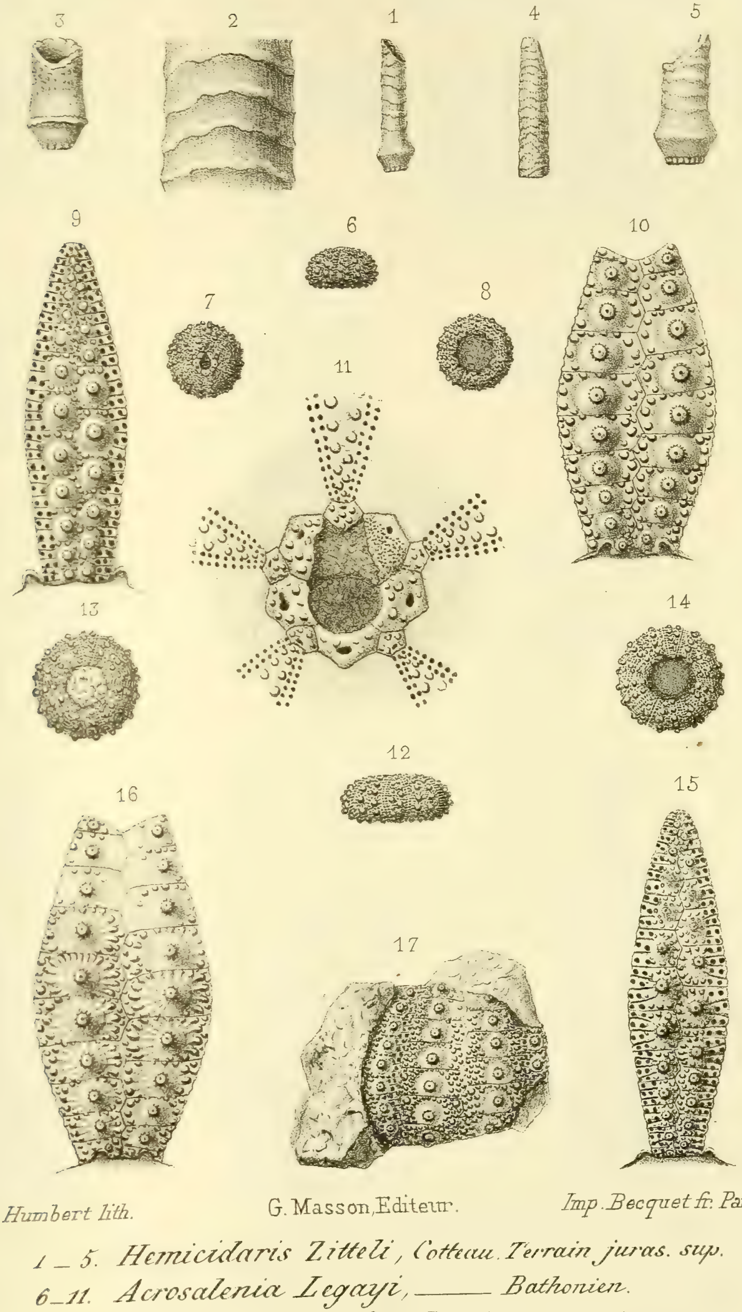


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

1–7. Hemicidaris Pacomei, Cotteau. Oxfordien.
8. H. —— stramonium, Agassiz. Kimméridgien.



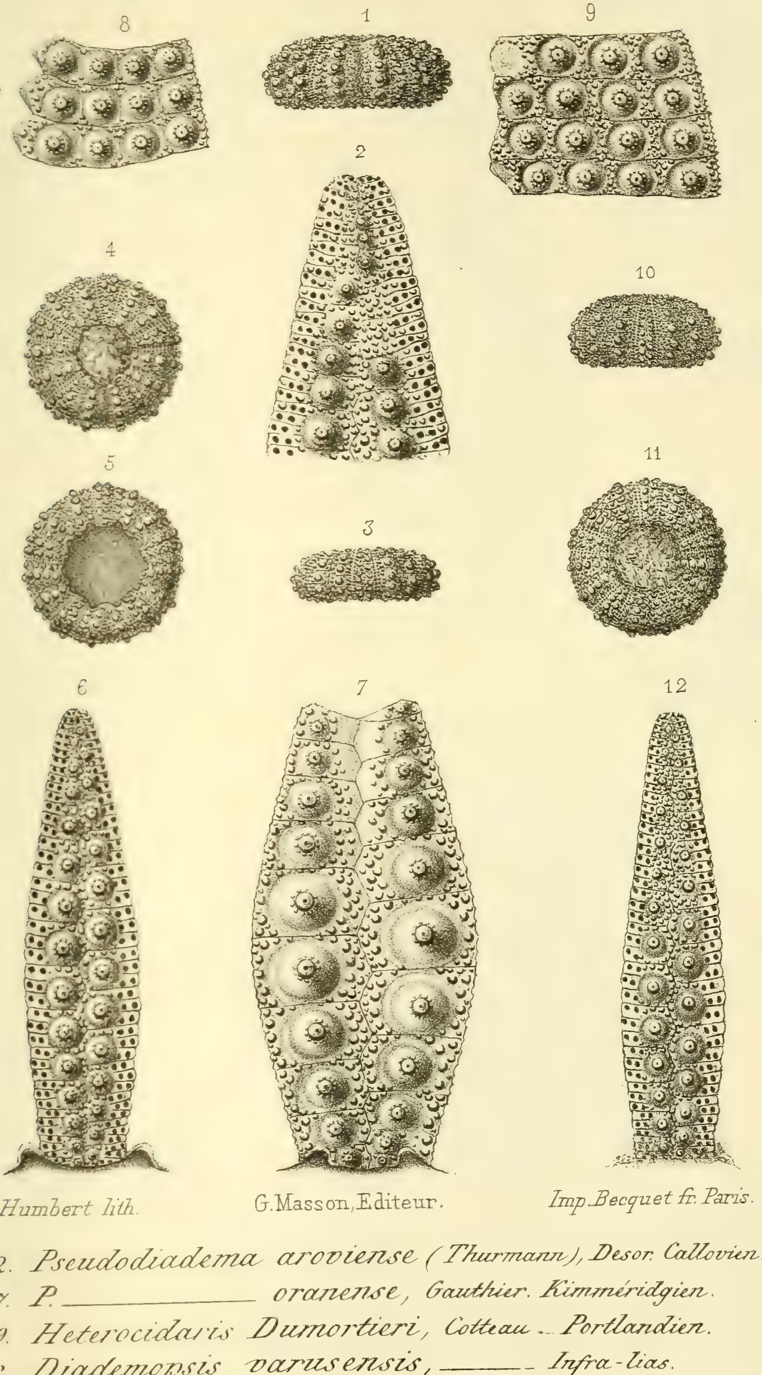
Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris.

1 _ 5. *Hemicidaris Zitteli*, Cotteau. Terrain juras. sup.

6_11. *Acrosalenia Legayi*, ——— Bathonien.

12_16. *Pseudodiadema Gauthieri*, ——— Liasien.

17. *P.* ——————— *bipunctatum*, Desor. Oxfordien.



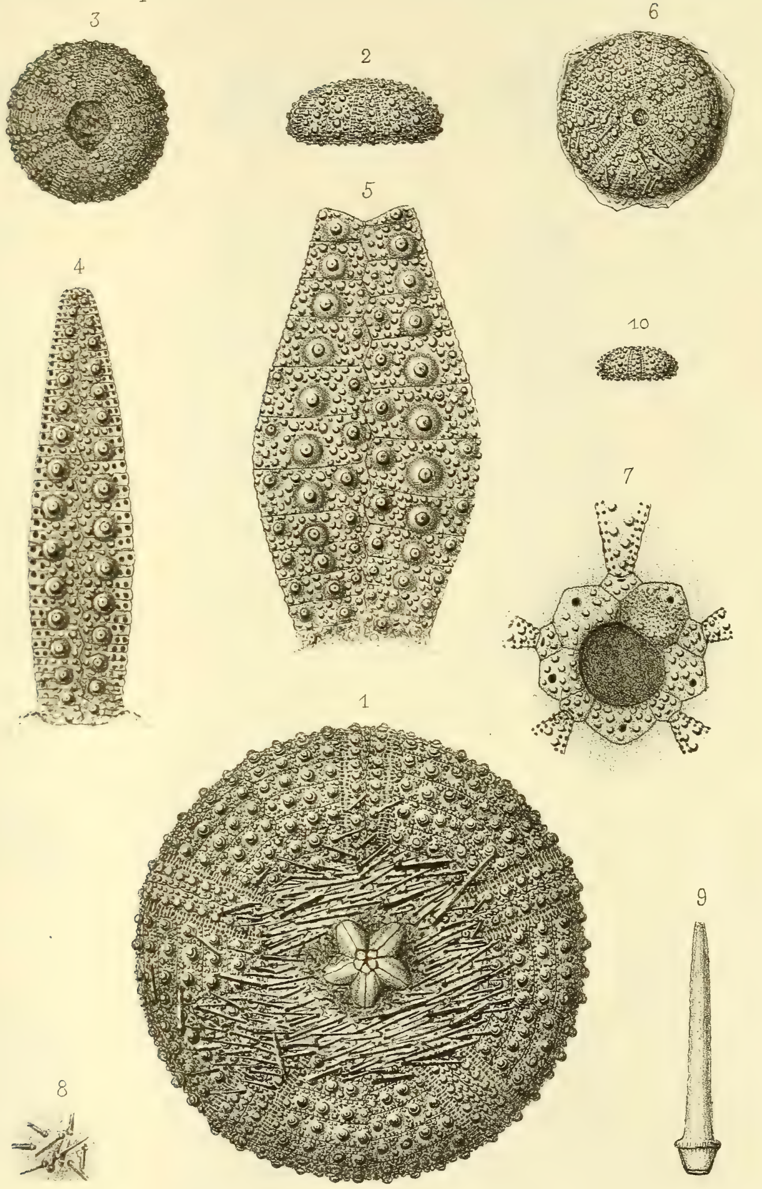
Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris.

_2. *Pseudodiadema aroviense (Thurmann), Desor. Callovien.*

_7. *P. ——— oranense, Gauthier. Kimméridgien.*

et 9. *Heterocidaris Dumortieri, Cotteau — Portlandien.*

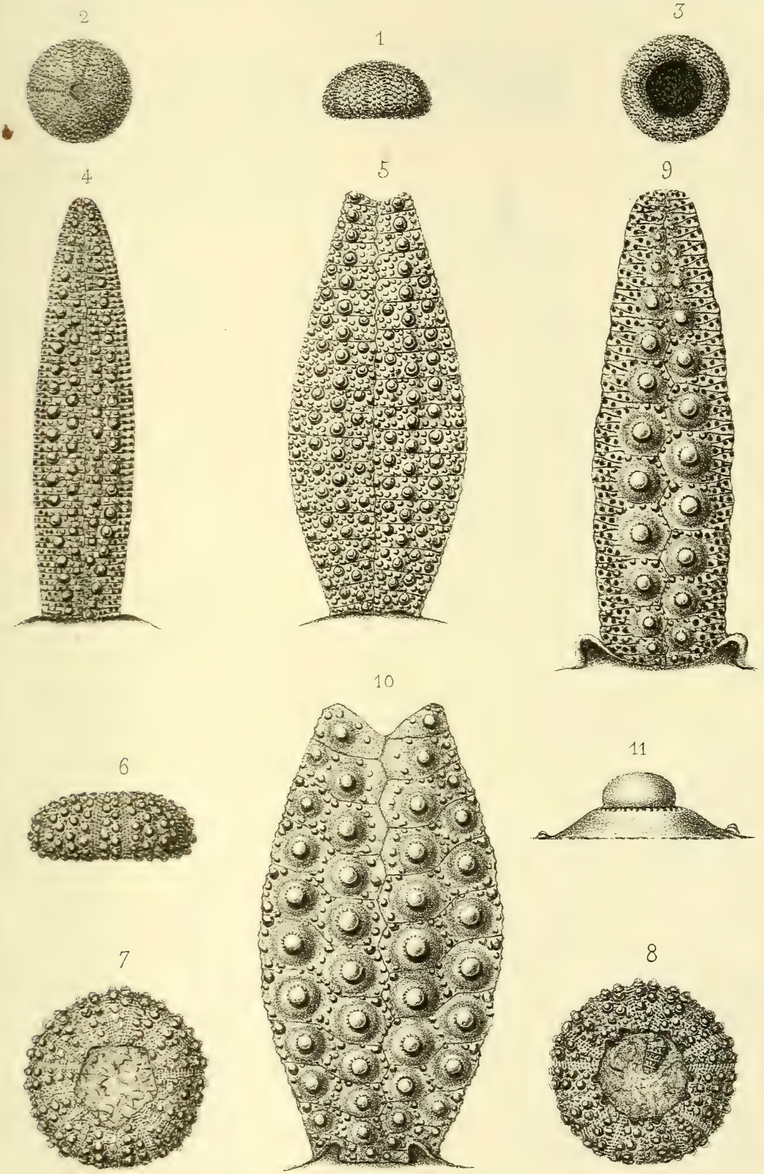
_12. *Diademopsis varusensis, ——— Infra-lias.*



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

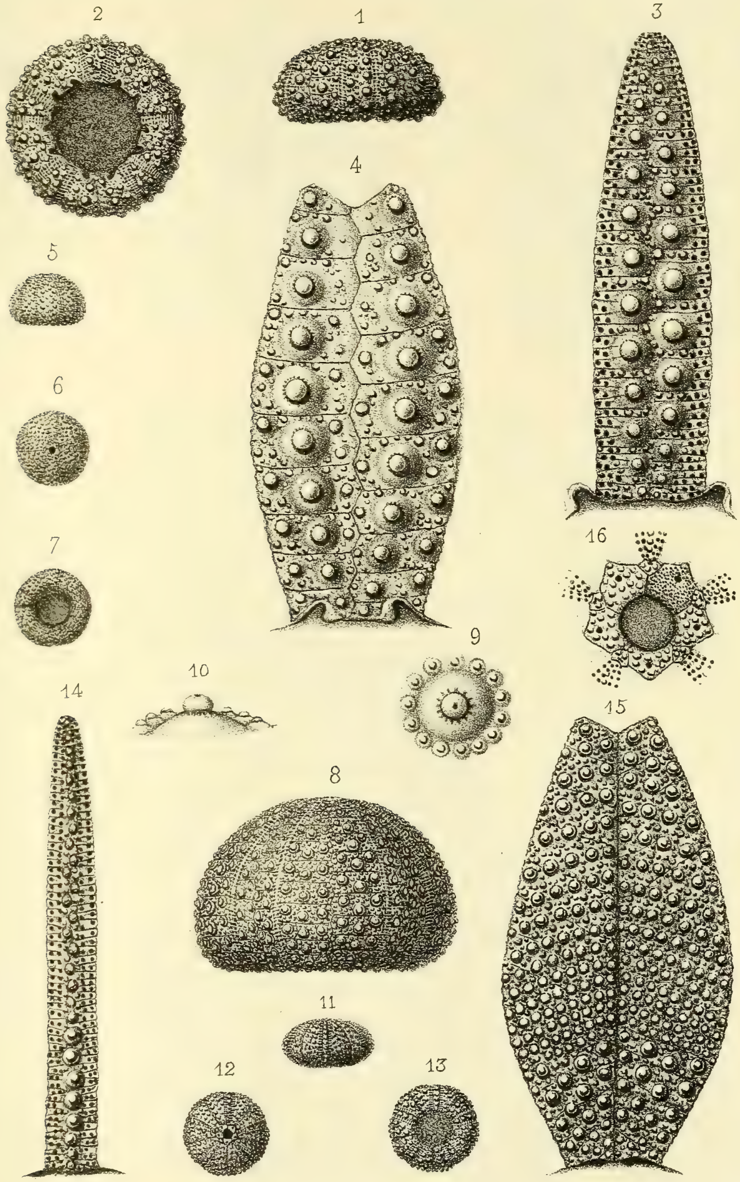
1. Diademopsis serialis, Desor. Infra-lias.

2–10. Orthopsis Peroni, Cotteau. Bathonien.



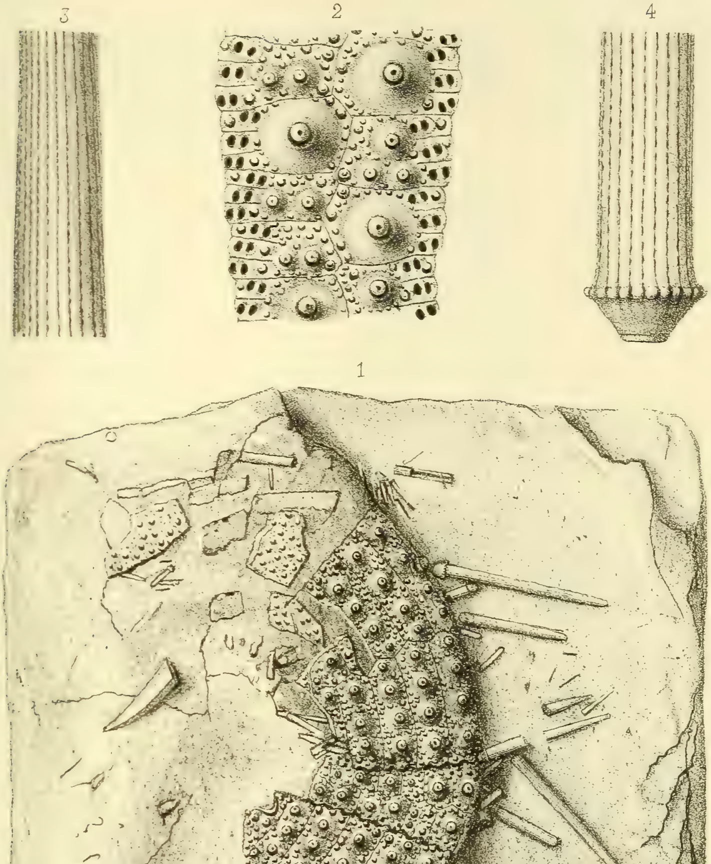
Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

1 _ 5. Orthopsis varusensis, Cotteau. Bathonien.
6 _ 11. Cyphosoma duplicatum, ——— Corallien.



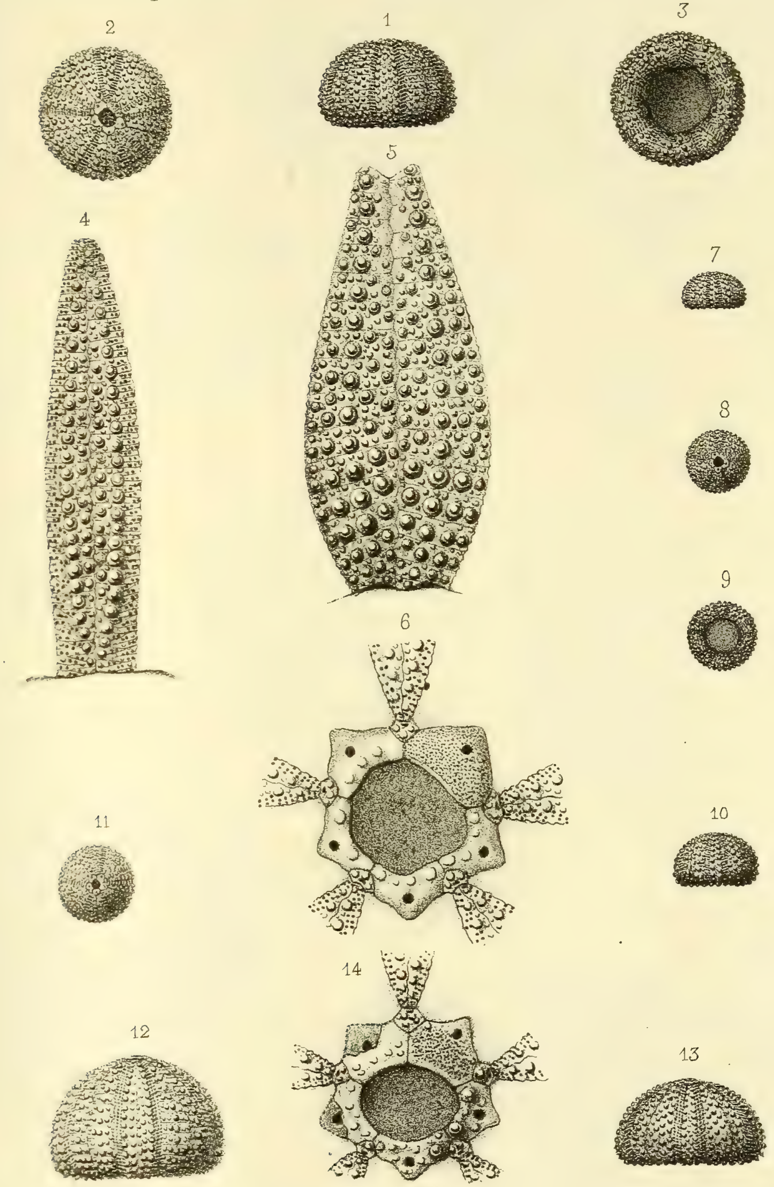
Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris.

1–4. *Cyphosoma Biseti*, Cotteau. Corallien.
5–10. *Microdiadema Richeri*, —— Liasien.
11–16. *Magnosia Meslei*, Gauthier. Terrain jurass. sup.



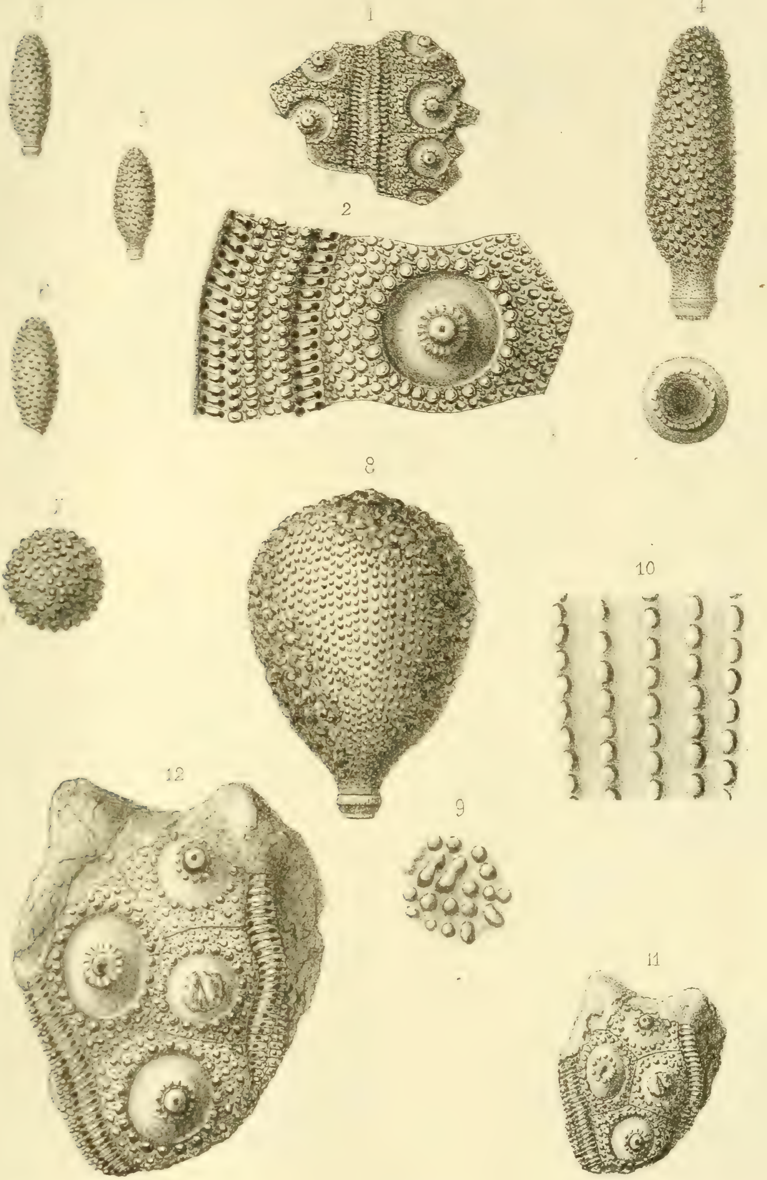
Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

Pedina Legayi, Rigaux. Bathonien.



Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris.

1 – 12. *Stomechinus microcyphus*, Wright. Bathonien.
13 – 14. *S.* ——— *Jauberti*, Cotteau. ———



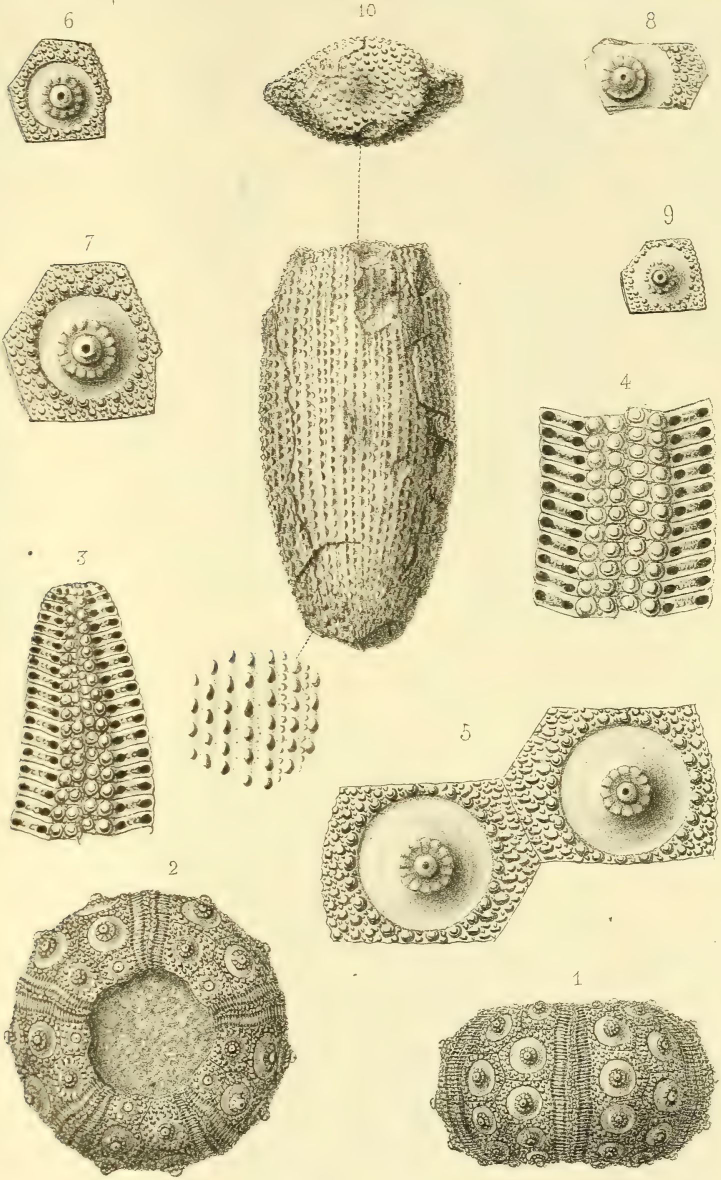
Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris.

1 et 2 *Cidaris lœviuscula*, Agassiz. Oxfordien.

3 – 7. *C.——propinqua*, Munster. Corallien.

8 – 10. *C.——subglandifera*, Cotteau.

11 et 12. *Rhabdocidaris caprimontana*, Desor. Oxfordien.

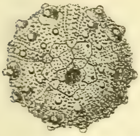


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

1 _ 5. Rhabdocidaris copeoides (Ag.), Desor. Bajocien.

6 _ 10. R. ———— caprimontana, Desor. Oxfordien.

2



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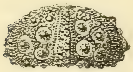

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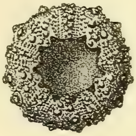

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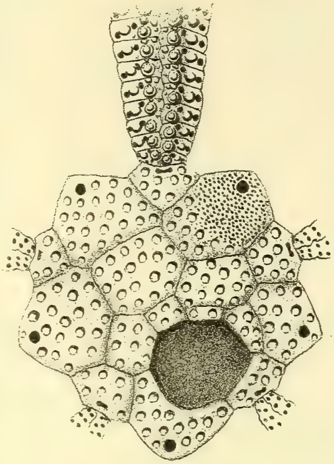

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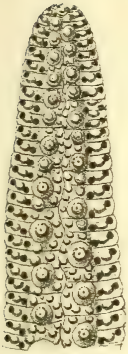

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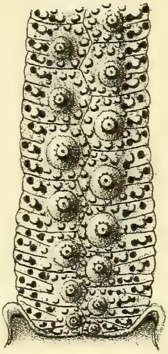

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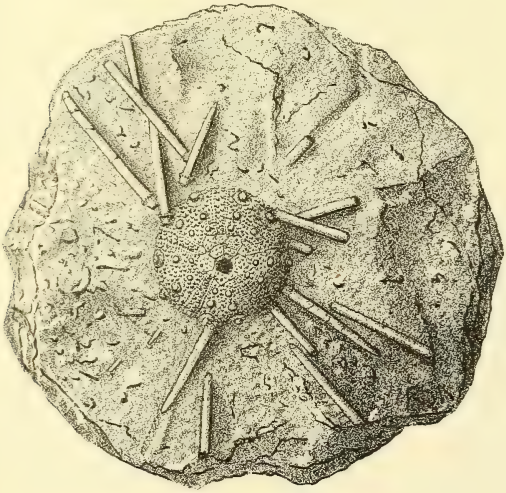
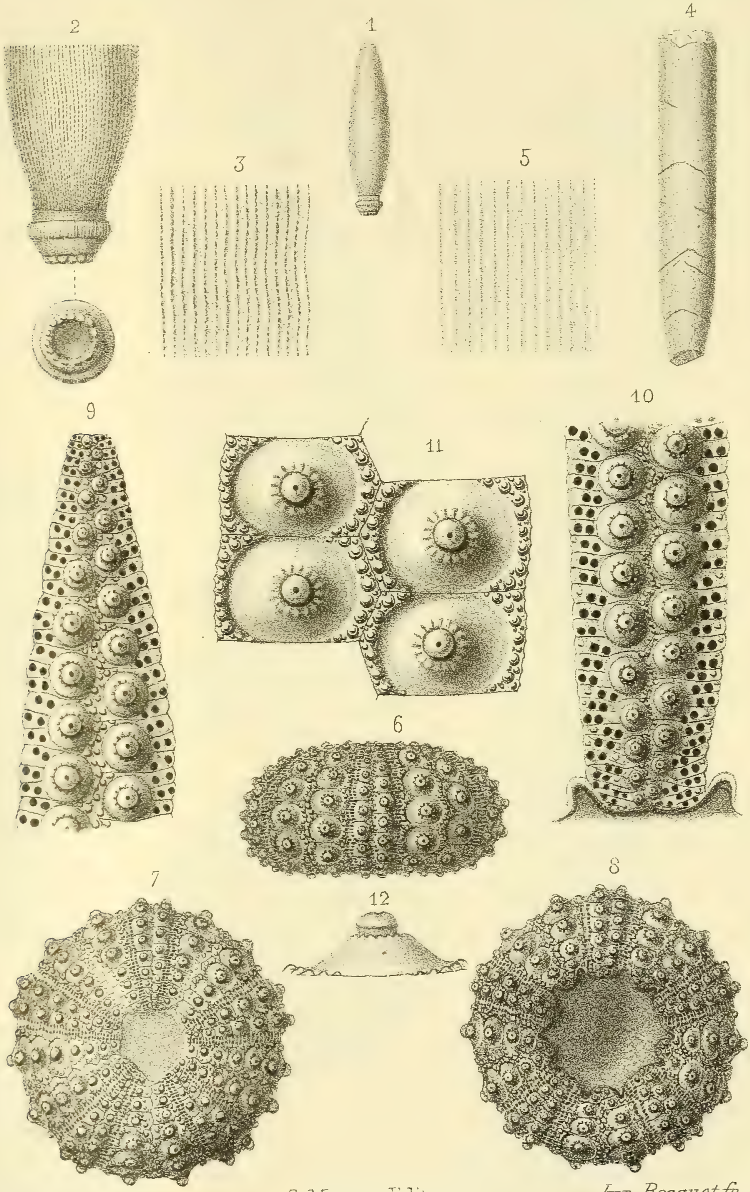


Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

1 _ 6. Acrosalenia Lowei, Wright. Bathonien.

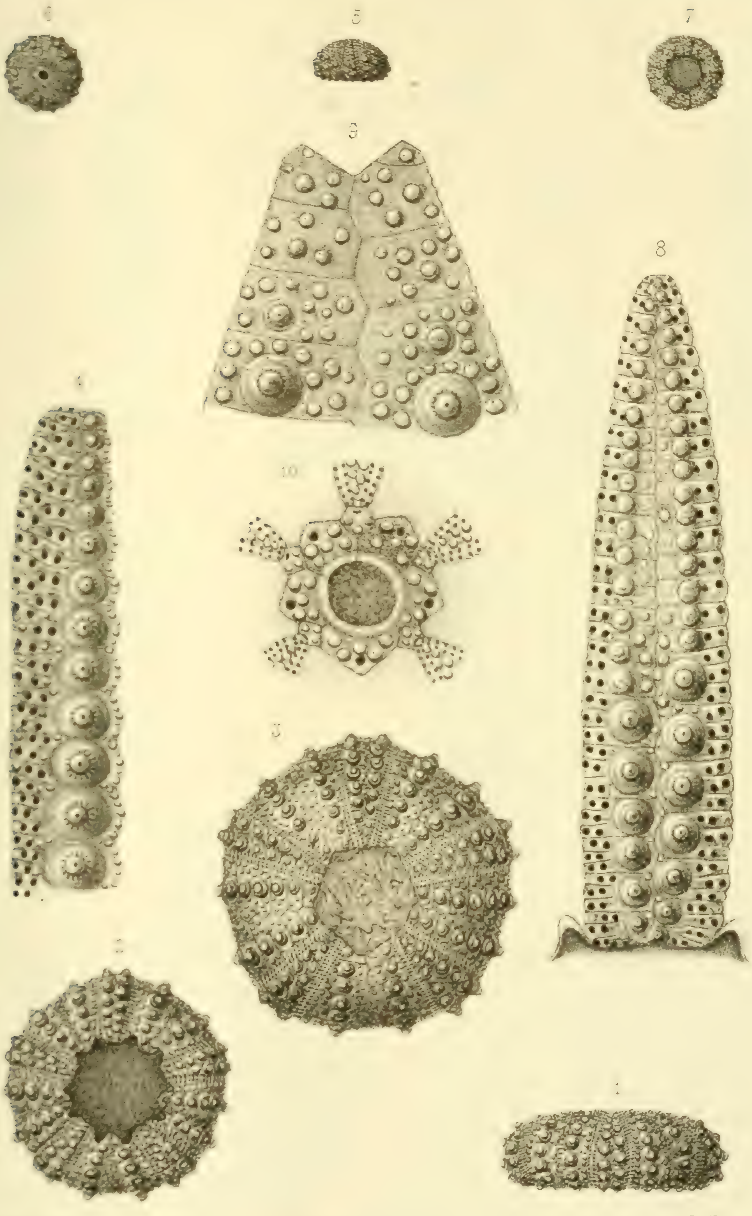
7. A. ——— hemicidaroides, ———



Humbert lith G. Masson, Editeur. *Imp. Becquet fr. Paris.*

1 _ 5. *Hemicidaris Cotteaui, Etallon. Corallien.*

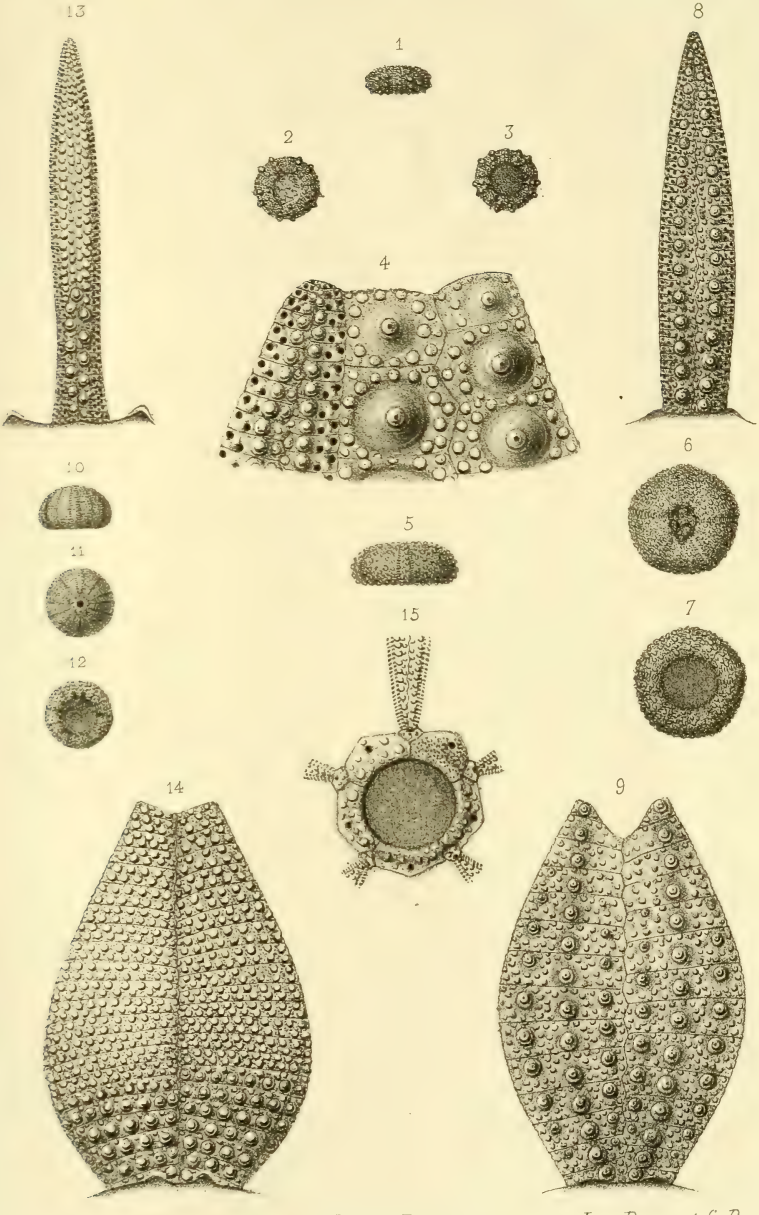
6 _ 12. *Pseudodiadema stellatum, Cotteau.* ———



Humbert lith. G. Masson, Editeur. *Imp. Becquet fr. Paris.*

1_4. Pseudodiadema pentagonum (Ag.), Desor. Bajocien.

5_10. P. ______ florescens (Ag.), de Loriol. Corallien.



Humbert lith. G. Masson, Editeur. Imp. Becquet fr. Paris.

1 – 4. *Hemipedina pulchella*, Cotteau. Bajocien.

5 – 9. *Orthopsis Peroni*, ——— ———

10 – 15. *Magnosia biturigensis*, ——— Corallien.

3 2044 107 305 765